

CITY OF SENECA

SENECA AMPHITHEATER

300 MAIN STREET, SENECA, SC 29678

Issue Date/ Description: 02/07/25 ISSUE FOR BID
MPS Project No: 023193.02
Agency Review ID:

OWNER

CITY OF SENECA
221 E. NORTH 1ST STREET
SENECA, SC 29678
864-885-2700
smoulder@seneca.sc.us

MR. SCOTT MOULDER
CITY ADMINISTRATOR

GENERAL CONTRACTOR

CONTRACTOR NAME
STREET ADDRESS
CITY, STATE, ZIP
PHONE AND FAX NUMBER
WEBSITE OR EMAIL

MR. OR MS. POINT OF CONTACT

ARCHITECT

McMILLAN PAZDAN SMITH ARCHITECTURE
400 AUGUSTA STREET
GREENVILLE, SC 29601
864-242-2003
atberia@mcmillanpazdansmith.com

MR. ANTHONY TIBERIA, AIA, NCARB

CIVIL

SEAMON WHITESIDE
701 EASLEY BRIDGE ROAD
GREENVILLE, SC 29611
864-298-0534
CBuchanan@seamonwhiteside.com

MR. CHIP BUCHANAN, PE

STRUCTURAL

BRITT, PETERS AND ASSOCIATES INC.
101 FALLS PARK DRIVE
GREENVILLE, SC 29601
828-271-8869
dimpson@brittpeters.com

MR. DAVID IMPSON, P.E. S.E. C.E.

ELECTRICAL

CAROLINA ENGINEERING SOLUTIONS, LLC.
8 WEST MCBEE AVENUE, SUITE 203
GREENVILLE, SC 29601
(P)864-370-9355
(F)864-370-9505
jjoye@carolinaenr.com

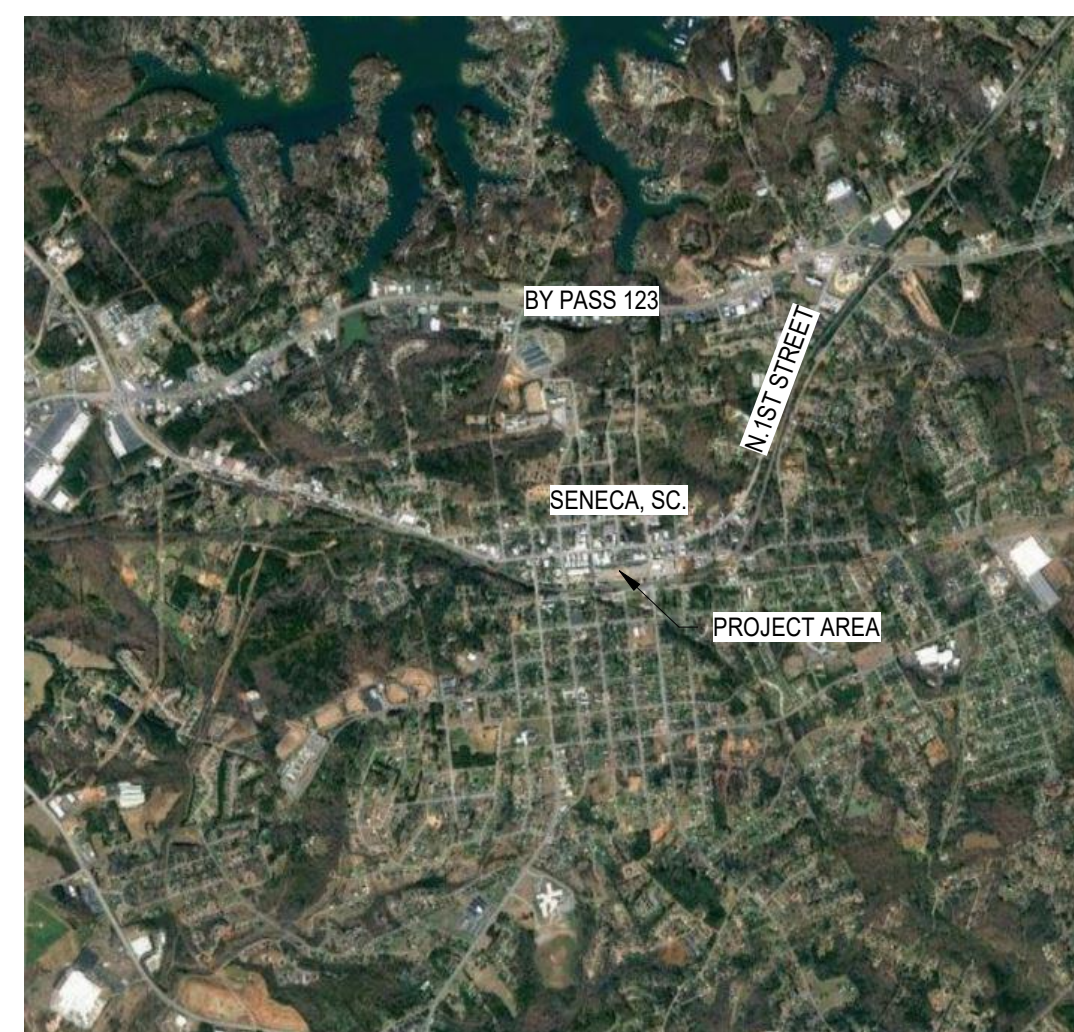
MR. JAMES D. JOYE, P.E.



RENDERING



SITE MAP



VICINITY MAP

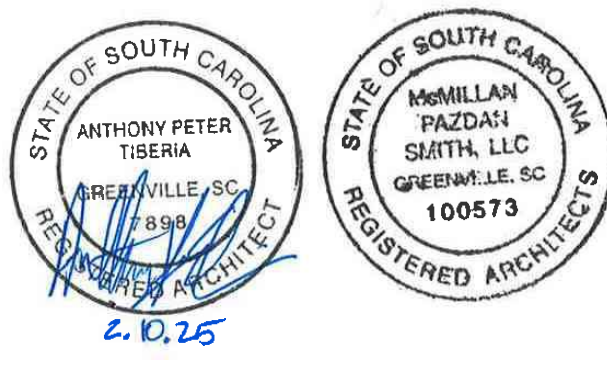
DRAWING LIST

SHEET NO	SHEET NAME	PERMIT SET - 10/25/2024	BID SET - 2/10/2025
GENERAL			
G001	COVER SHEET	•	•
G003	LIFE SAFETY PLAN & CODE REVIEW	•	•
CIVIL			
C1.0	TITLESHEET	•	•
C1.1	LEGEND & REVISION NOTES	•	•
C2.0	EXISTING CONDITIONS/DEMOLITION PLAN	•	•
C3.0	EROSION & SEDIMENT CONTROL PLAN	•	•
C4.0	EROSION & SEDIMENT CONTROL DETAILS	•	•
C5.0	SITE PLAN	•	•
C6.0	GRADING PLAN	•	•
C7.0	UTILITY PLAN	•	•
C8.0	SITE DETAILS	•	•
C9.0	GRADING & UTILITY DETAILS	•	•
LANDSCAPE			
L1.0	LANDSCAPE PLAN	•	•
L2.0	PLANT SCHEDULE & DETAILS	•	•
STRUCTURAL			
S3.01	GENERAL NOTES	•	•
S1.01	FOUNDATION PLAN	•	•
S1.02	ROOF FRAMING PLAN	•	•
S3.01	TYPICAL CONCRETE DETAILS	•	•
S3.02	TYPICAL MASONRY DETAILS	•	•
S4.01	FOUNDATION SECTIONS	•	•
S6.01	ROOF SECTIONS	•	•
ARCHITECTURAL			
A001	ABBREVIATION, SYMBOLS AND LEGENDS	•	•
A010	ARCHITECTURAL SITE PLAN	•	•
A011	SITE DETAILS	•	•
A110	ANNOTATION PLAN	•	•
A111	DIMENSION PLAN	•	•
A120	ROOF PLAN AND RCP	•	•
A300	OVERALL BUILDING ELEVATIONS	•	•
A310	ENLARGED BUILDING ELEVATIONS	•	•
A320	OVERALL BUILDING SECTIONS	•	•
A330	WALL SECTIONS & SECTION DETAILS	•	•
ELECTRICAL			
E001	ELECTRICAL NOTES AND SYMBOLS	•	•
E101	ELECTRICAL SITE PLAN	•	•
E201	ENLARGED STAGE LIGHTING PLAN	•	•
E202	ENLARGED STAGE POWER PLAN	•	•



CONSULTANT LOGO

SEALS



CITY OF SENECA

SENECA AMPHITHEATER

300 MAIN STREET, SENECA, SC 29678

SHEET ISSUE:			
NO.	DATE	DESCRIPTION	BY
A	05/24/24	100% SCHEMATIC DESIGN	MPS
B	08/30/24	100% DESIGN DEVELOPMENT	MPS
D	10/25/24	ISSUE FOR PERMIT	MPS
1	02/07/25	ISSUE FOR BID	MPS

NOT FOR CONSTRUCTION

PRINCIPAL IN CHARGE: PROJECT ARCHITECT: DRAWN BY:

SHEET TITLE: COVER SHEET

SHEET NO. PROJ. NO. 023193.02

G001

BUILDING CODE SUMMARY

NAME OF PROJECT: **SENECA AMPHITHEATER**
 ADDRESS: **SENECA, SC** ZIP CODE: **29678**
 PROPOSED USE: **OUTDOOR AMPHITHEATER**
 OWNED BY: CITY PRIVATE STATE
 COUNTY COUNTY STATE
 CODE ENFORCEMENT JURISDICTION: **CITY OF SENECA**

APPLICABLE CODES:

- 2021 INTERNATIONAL BUILDING CODE (IBC) WITH SC MODIFICATIONS NEW CONSTRUCTION
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) ALTERATION
- 2021 INTERNATIONAL FIRE CODE (IFC) WITH SC MODIFICATIONS UPFIT
- 2021 INTERNATIONAL PLUMBING CODE (IPC) RENOVATION
- 2021 INTERNATIONAL MECHANICAL CODE (IMC) ADDITION
- 2021 INTERNATIONAL FUEL GAS CODE (IFGC) WITH SC MODIFICATIONS REPAIR
- 2011 NATIONAL ELECTRICAL CODE (NEC/NFPA 70) WITH SC MODIFICATIONS
- 2017 ANSI ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES

BASIC BUILDING DATA:

USE AND OCCUPANCY CLASSIFICATION PER IBC CHAPTER 3:
 ASSEMBLY GROUP A-5

TYPE OF CONSTRUCTION PER IBC CHAPTER 6:
 CONSTRUCTION CLASSIFICATION: TYPE V-B

FIRE PROTECTION SYSTEMS PER IBC CHAPTER 9:
 NON-SPRINKLERED

BUILDING AREA:

BUILDING AREA		
AREA TYPES	AREA	
STAGE		1837 SF
OUTDOOR SPACE		32599 SF
		34436 SF

2021 INTERNATIONAL BUILDING CODE

GENERAL HEIGHTS AND AREA (IBC CHAPTER 5):

GROUP A (SECTION 504.3):
 ALLOWABLE HEIGHT SCHEDULE BASED ON MOST RESTRICTIVE ALLOWABLE AREA FOR (A) OCCUPANCY:
 GROUP A (SECTION 504.4):
 ALLOWABLE AREA SCHEDULE BASED ON MOST RESTRICTIVE ALLOWABLE STORIES FOR (A) OCCUPANCY:
 GROUP A (SECTION 506.2):
 ALLOWABLE AREA SCHEDULE BASED ON MOST RESTRICTIVE ALLOWABLE AREA FOR (A) OCCUPANCY:

ALLOWABLE AREA SCHEDULE						
DESCRIPTION AND USE	BUILDING HEIGHT (ACTUAL)	TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FT	# OF STORIES (ACTUAL)	TABLE 504.4 ALLOWABLE STORIES	USE AREA PER STORY (ACTUAL)	TABLE 506.2 ALLOWABLE AREA
STAGE	25 FT	40 FT	1	UNLIMITED	1837 SF	UNLIMITED

FIRE RESISTANT RATING REQUIREMENTS (IBC CHAPTER 6):

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DESIGN FOR RATED ASSEMBLY	CODE REFERENCE	DESIGN FOR RATED PENETRATION
		REQD	PROVIDED			
STRUCTURAL FRAME, INCLUDING COLUMNS, GIRDERS, TRUSSES	-	0	0		IBC TABLE 601	
BEARING WALLS	-	0	0		IBC TABLE 601	
EXTERIOR	X ≥ 30	0	0		IBC TABLE 601	
INTERIOR	X ≥ 30	0	0		IBC TABLE 601	REF MECHANICAL/ELECTRICAL/PLUMBING FOR DETAILS
NONBEARING WALLS AND PARTITIONS	X ≥ 30	0	0		IBC TABLE 601	
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	-	0	0		IBC TABLE 601	
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	-	0	0		IBC TABLE 601	

MEANS OF EGRESS (IBC CHAPTER 10):

SECTION 1004 OCCUPANT LOAD:

TABLE 1004.1.2 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANTS:

OCCUPANT LOAD			
USE GROUP OR SPACE DESCRIPTION (SPACE)	AREA	AREA PER OCCUPANT	CALCULATED OCCUPANT LOAD
STAGE	1837 SF	15	123
OUTDOOR SPACE	32599 SF	-	1877
	34436 SF		2000

OTHER FEATURES AND FACILITIES (IBC CHAPTER 11):

SECTION 1110.2.1 FAMILY OR ASSISTED-USE TOILET AND BATHING ROOMS:

IN ASSEMBLY AND MERCANTILE OCCUPANCIES, AN ACCESSIBLE FAMILY OR ASSISTED-USE TOILET ROOM SHALL BE PROVIDED WHERE AN AGGREGATE OF SIX OR MORE MALE AND FEMALE WATER CLOSETS IS REQUIRED. IN BUILDINGS OF MIXED OCCUPANCY, ONLY THOSE WATER CLOSETS REQUIRED FOR THE ASSEMBLY OR MERCANTILE OCCUPANCY SHALL BE USED TO DETERMINE THE FAMILY OR ASSISTED-USE TOILET ROOM REQUIREMENT. IN RECREATIONAL FACILITIES WHERE SEPARATE SEX BATHING ROOMS ARE PROVIDED, AN ACCESSIBLE FAMILY OR ASSISTED-USE BATHING ROOM SHALL BE PROVIDED. FIXTURES LOCATED WITHIN FAMILY OR ASSISTED-USE TOILET AND BATHING ROOMS SHALL BE INCLUDED IN DETERMINING THE NUMBER OF FIXTURES PROVIDED IN AN OCCUPANCY.

SECTION 1110.2.4 WATER CLOSET COMPARTMENT:

WHERE WATER CLOSET COMPARTMENTS ARE PROVIDED IN A TOILET ROOM OR BATHING ROOM, AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF COMPARTMENTS SHALL BE WHEELCHAIR ACCESSIBLE. WHERE THE COMBINED TOTAL WATER CLOSET COMPARTMENTS AND URINALS PROVIDED IN A TOILET ROOM OR BATHING ROOM IS SIX OR MORE, AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF COMPARTMENTS SHALL BE AMBULATORY ACCESSIBLE, PROVIDED IN ADDITION TO THE WHEELCHAIR-ACCESSIBLE COMPARTMENT.

SECTION 1110.3 SINKS:

WHERE SINKS ARE PROVIDED, AT LEAST 5 PERCENT BUT NOT LESS THAN ONE PROVIDED IN ACCESSIBLE SPACES SHALL BE ACCESSIBLE. EXCEPTION: MOP OR SERVICE SINKS ARE NOT REQUIRED TO BE

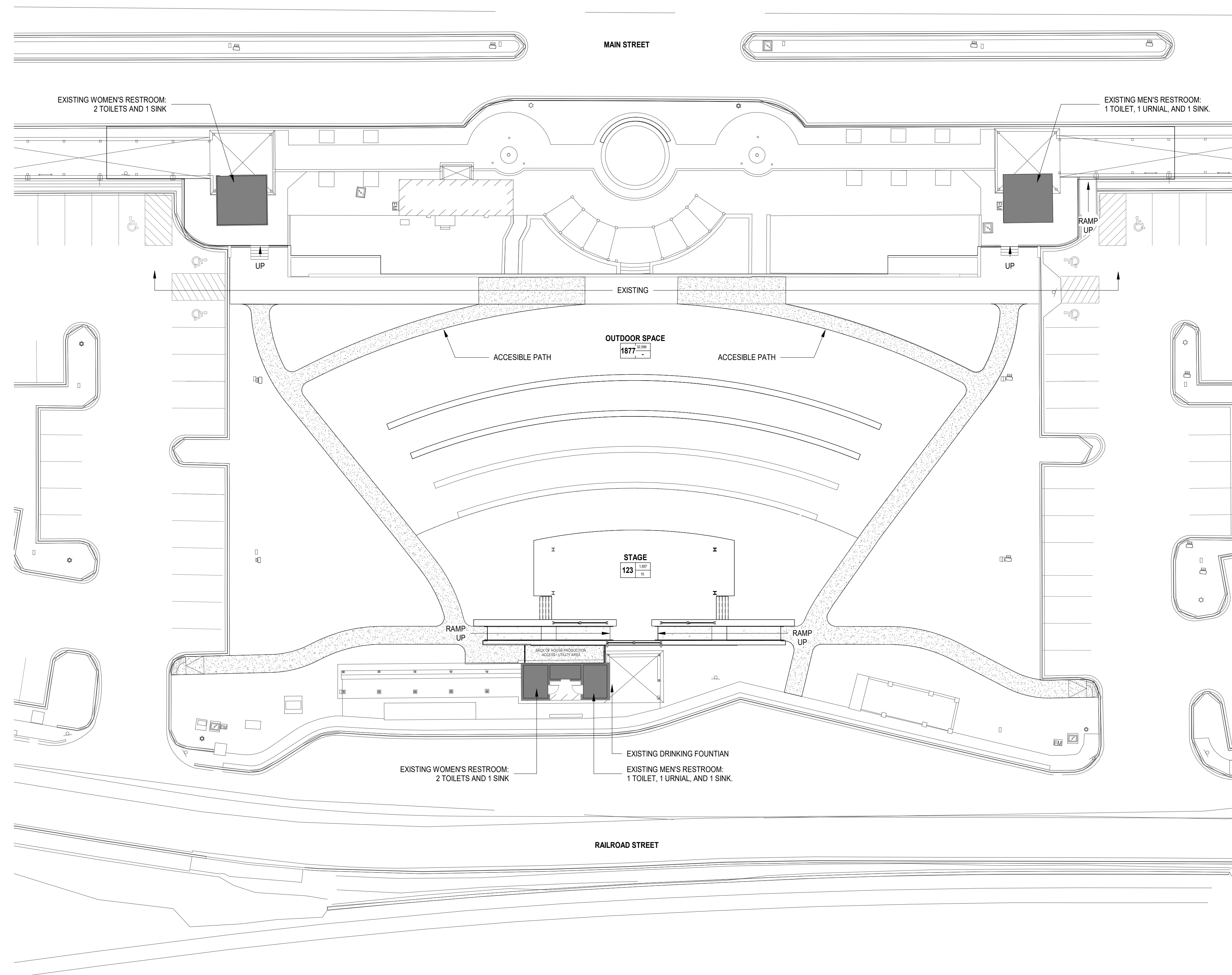
PLUMBING SYSTEMS IBC CHAPTER 29:

SECTION 2902 MINIMUM PLUMBING FACILITIES:

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES:

USE GROUP OR SPACE DESCRIPTION (SPACE)	WATER CLOSETS			LAVATORIES		DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	URINALS	MALE	FEMALE		
STAGE (123)	1 PER 75 FOR THE FIRST 1,500	1 PER 40 FOR THE FIRST 1,520	-	1 PER 200	1 PER 150	1 PER 1000	
	0	1.54	-	31	41	12	
OUTDOOR SPACE (1877)	1 PER 75 FOR THE FIRST 1,500	1 PER 40 FOR THE FIRST 1,520	-	1 PER 200	1 PER 150	1 PER 1000	
	12.5	23.46	-	4.69	6.25	1.88	
REQUIRED:	14	25	-	5	7	2	
EXISTING:	2	4	2	2	2	2	
PROVIDED:	10	21	-	3	5	-	

PORTABLE TOILETS AND HAND WASHING STATIONS WILL BE PROVIDED WHEN LARGE EVENTS OCCUR.



LIFE SAFETY PLAN

1" = 20'-0"



CONSULTANT LOGO

SEALS



CITY OF SENECA

SENECA AMPHITHEATER

300 MAIN STREET, SENECA, SC 29678

SHEET ISSUE:

NO.	DATE	DESCRIPTION	BY
0	10/25/24	ISSUE FOR PERMIT	MPS
1	02/07/25	ISSUE FOR BID	MPS

PRINCIPAL IN CHARGE: AT
 PROJECT ARCHITECT: AT
 DRAWN BY: Author

SHEET TITLE:
LIFE SAFETY PLAN & CODE REVIEW

SHEET NO. PROJ. NO.
 023183.02

G003

NOT FOR CONSTRUCTION

SENECA AMPHITHEATER

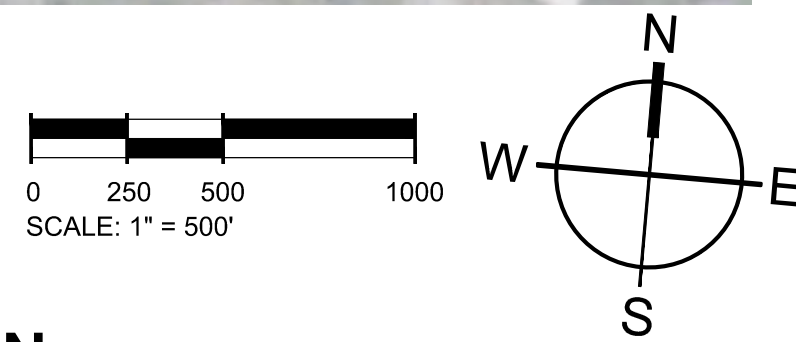
CITY OF SENECA, SC

TMS# 520-29-14-001, 520-29-15-001

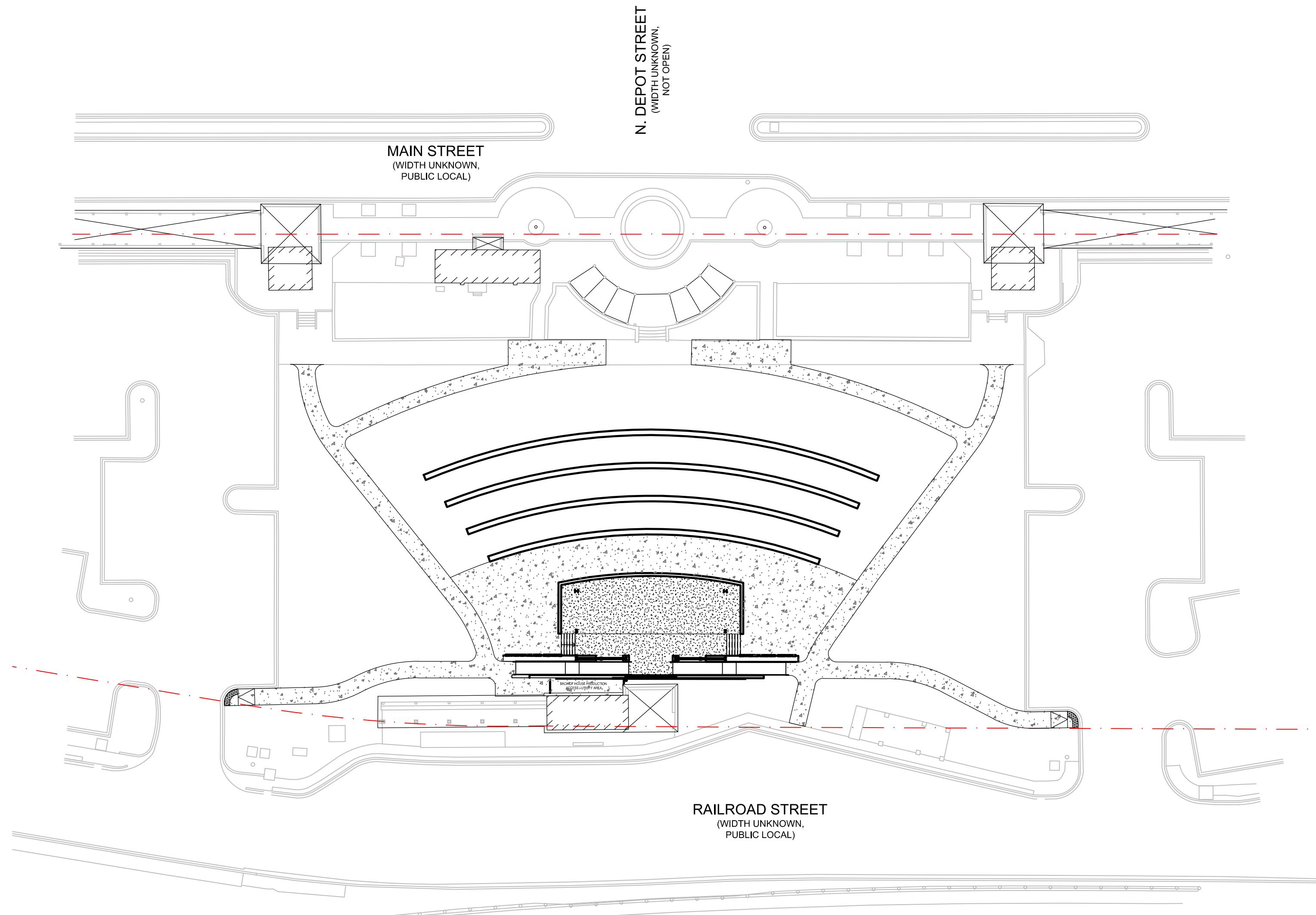


MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM

SITE LOCATION MAP



SITE OVERVIEW



Sheet List Table	
C1.0	TITLESHEET
C1.1	LEGEND & REVISION NOTES
C2.0	EXISTING CONDITIONS & DEMOLITION PLAN
C3.0	EROSION & SEDIMENT CONTROL PLAN
C4.0	EROSION & SEDIMENT CONTROL DETAILS
C5.0	SITE PLAN
C6.0	GRADING PLAN
C7.0	UTILITY PLAN
C8.0	SITE DETAILS
C9.0	GRADING & UTILITY DETAILS
L1.0	LANDSCAPE PLAN
L2.0	PLANT SCHEDULE & DETAILS

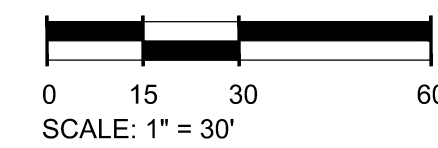
PROJECT DESCRIPTION

PROJECT CONSIST OF THE CONSTRUCTION OF AN AMPHITHEATER AT THE LOCATION OF THE NORTON THOMPSON PARK IN SENECA, SOUTH CAROLINA.

GENERAL NOTES

PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS

- BOUNDARY, TOPOGRAPHIC, TREE, WETLAND DELINEATION, AND OTHER EXISTING CONDITIONS SHOWN ARE FROM SURVEY PREPARED BY EAS PROFESSIONALS SURVEYING COMPANY, TITLED "PARTIAL BOUNDARY AND PARTIAL TOPOGRAPHIC SURVEY FOR THE CITY OF SENECA", DATED 03/29/2024. THE TOPOGRAPHIC AND ELEVATION DATA SHOWN HEREON WAS OBTAINED FROM "NAD 83-2011 (SCVRS)" AND IS NOT CERTIFIED AS CORRECT BY THIS ENGINEER.
- PER REFERENCE SURVEY, ALL ELEVATIONS ARE BASED ON NAVD 88 VERTICAL DATUM. HORIZONTAL DATUM IS STATE PLANE (SC NAD 83-2011). REFER TO SURVEY FOR BENCHMARK REFERENCE AND/OR LOCATION. CONTACT OWNER FOR ANY MISSING BOUNDARY PINS, MONUMENTS, OR VERTICAL DATUM BENCHMARKS NEEDED FOR ESTABLISHING CONSTRUCTION STAKING CONTROL.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PERIMETER BOUNDARY PROPERTY CORNERS AND VERIFYING BOUNDARY DATA AGAINST CONSTRUCTION PLANS AND/OR ELECTRONIC FILE INFORMATION PROVIDED TO THE CONTRACTOR.
- PRIOR TO STARTING CONSTRUCTION, INCLUDING LAND DISTURBING ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.



PROJECT CONTACTS

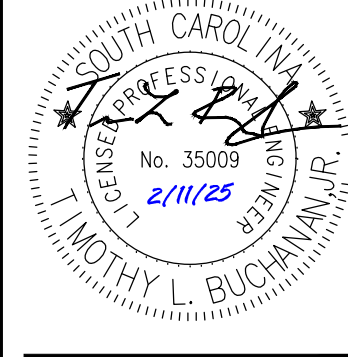
DEVELOPER/OWNER:
CITY OF SENECA
221 EAST NORTH 1ST STREET
SENECA, SC 29678
CONTACT: SCOTT MOULDER
PHONE: (864)885-2700
EMAIL: SMOULDER@SENECA.SC.US

CIVIL ENGINEER & LANDSCAPE ARCHITECT:
SEAMON WHITESIDE & ASSOCIATES, LLC
701 EASLEY BRIDGE ROAD, SUITE 6060
GREENVILLE, SC 29611
CONTACT: WILL BUICE
PHONE: (843)884-1667

SURVEYOR:
EAS PROFESSIONALS, INC.
9 PILGRIM ROAD
GREENVILLE, SC 29607
CONTACT: DANIEL STILES
PHONE: (864)234-7368

UTILITY CONTACTS:
SENECA LIGHT & WATER
221 EAST NORTH 1ST STREET
SENECA, SC 29678
CONTACT: ROBERT FAIRES
PHONE: (864)885-2723

▲	SHEET REVISION HISTORY
	SEE SHEET C1.1 FOR DETAILED REVISION HISTORY
▲	10/22/2024 - ISSUE FOR CONSTRUCTION
▲	02/07/2025 - ISSUE FOR BID



SENECA AMPHITHEATER

CITY OF SENECA, SOUTH CAROLINA

SW+ PROJECT: 10646
DATE: 05/22/24
DRAWN BY: WDM
CHECKED BY: NM

REVISION HISTORY	
1	IFC SET 10/22/2024
2	ISSUE FOR BID 02/07/2025

TITLESHEET

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29464 | JUDGE WILLIAMS BUILDING 2008, 701 EASLEY BRIDGE RD, SUITE 6060 | GREENVILLE, SC 29611 | 270 PETERSBORO | CHARLOTTE, NC 28217 | 701 N. GERRARD STREET | SUMMERVILLE, SC 29585 | 154 N. DANIEL MORGAN AVENUE, SUITE 300 | SPARTANBURG, SC 29306

GENERAL NOTES

- ALL ELEVATIONS ARE BASED ON THE DESIGN DRAWINGS PREPARED BY EAS PROFESSIONALS. DATED MARCH 29, 2024.
- THE LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVES. EXISTING UTILITIES SHOWN DO NOT INCLUDE ALL UTILITIES THAT MAY EXIST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ALL EXISTING UNDERGROUND UTILITIES LOCATED WITHIN THIS SITE AND AROUND THE PERIMETER OF THIS SITE WHERE SUCH UTILITIES MIGHT BE OCCASIONED BY ANY ACTIVITY INVOLVED WITH THESE PLANS. ALL UTILITY LOCATION WORK SHALL BE DONE PRIOR TO CONSTRUCTION ACTIVITY, THE CONTRACTOR AGREES TO BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES THAT MAY EXIST.
- THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHY AND EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING WORK. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES ON THE DRAWING PRIOR TO BEGINNING WORK OR DURING CONSTRUCTION, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ALL CONTRACTORS MUST HAVE APPROPRIATE BUSINESS LICENSE PRIOR TO BEGINNING WORK.
- THE PROPERTY IS LOCATED IN THE CITY OF SENECA, SOUTH CAROLINA.
- THE PARCEL NUMBER IS 520-29-14-001 & 520-29-15-001. THE TOTAL DISTURBED AREA IS ± 0.80 ACRES. THE TOTAL SITE AREA IS 3.26 AC.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. AN AUTOCAD FILE OF THIS DRAWING CAN BE PROVIDED TO THE CONTRACTOR FOR CONSTRUCTION LAYOUT PURPOSES. SW+ PROVIDES NO WARRANTY REGARDING USE OF ELECTRONIC FILES. ALL MEASUREMENTS ARE CALCULATED AND NOT SURVEYED UNLESS NOTED OTHERWISE. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE COMPUTER MODEL HYDRAFLOW WAS USED TO DETERMINE THE STORMWATER RUNOFF FOR EACH WATERSHED.
- THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY.
- THIS PROJECT AREA IS LOCATED IN ZONES X AS SCALED FROM FEMA FIRM 45073C0337D.
- CLEARING OUTSIDE OF WHAT IS DEPICTED ON THESE PLANS TO BE CLEARED IS PROHIBITED. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LAND DISTURBANCES BEYOND THE LIMITS OF DISTURBANCE INDICATED ON THE CONSTRUCTION DOCUMENTS AT THE CONTRACTOR'S EXPENSE.
- THE OWNER SHALL BE RESPONSIBLE FOR ANY SOIL OR MATERIAL TESTING REQUIRED TO MEET SPECIFICATIONS.
- PROVIDE SILT FENCE ALONG THE TOE OF ANY SLOPES OR LOCATIONS WHERE SEDIMENT SHALL DISCHARGE FROM THE SITE. SEE EROSION CONTROL PLAN FOR SPECIFIC LOCATIONS.
- TREE PROTECTIVE BARRICADES (WHERE NOTED ON PLAN) SHALL BE PLACED AROUND ALL TREES TO REMAIN DURING ALL PHASES OF CONSTRUCTION UNTIL DEVELOPMENT ACTIVITIES ARE COMPLETE.
- THE RECEIVING WATER IS UNNAMED TRIBUTARY OF THE LAKE KEOWEE.
- THE EXISTING SOILS ARE CECIL SANDY LOAM (CdB).
- THE OWNER AND THE PERMITEE IS CITY OF SENECA AND THE NATURE OF CONSTRUCTION IS A NEW OUTDOOR STAGE AREA.
- TEMPORARY DIVERSION DITCHES ARE TO BE USED AS NEEDED DURING CONSTRUCTION. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE IN ALL INSTANCES.
- ALL SLOPES TO BE STABILIZED BEFORE CITY OF SENECA FINAL ACCEPTANCE.

DEMOLITION NOTES

- THE CONTRACTOR SHALL VERIFY ALL ITEMS TO BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE. THE VERIFICATION PROCESS SHALL INCLUDE VISITING AND WALKING THE SITE. ALL ITEMS REQUIRING DEMOLITION/REMOVAL, WHETHER SHOWN ON THIS PLAN OR NOT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THERE SHALL BE NO BURNING ON THE SITE.
- ALL EXISTING STRUCTURES (IF ENCOUNTERED) AND RELATED FOOTINGS, FOUNDATIONS, STEPS, ETC. ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF ACCORDING TO APPLICABLE CODES.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REMOVAL AND/OR RELOCATION OF ALL UTILITIES (ABOVE AND BELOW GROUND LEVEL) AS NECESSARY TO FACILITATE CONSTRUCTION. SEE THE SPECIFICATIONS FOR SPECIFIC DIRECTION.
- EXISTING SEPTIC TANKS, GREASE TRAPS AND/OR UNDERGROUND TANKS, IF ENCOUNTERED, ARE TO BE REMOVED FROM THE SITE AND DISPOSED OF ACCORDING TO APPLICABLE CODES. THE LOCATION OF ANY TANKS SHALL BE RECORDED AND THE ENGINEER SHALL BE NOTIFIED AT ONCE.
- WELLS, IF ENCOUNTERED, SHALL BE ACCURATELY LOCATED BY THE CONTRACTOR, PROTECTED, UNLESS DIRECTED OTHERWISE ON THESE PLANS AND SURROUNDING GRADES MAINTAINED SUCH THAT SURFACE RUNOFF CANNOT ENTER THE WELL OPENING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT ONCE.
- THE CONTRACTOR SHALL CONSULT THE OWNER REGARDING SALVAGE. ANY ITEMS NOT RETAINED BY THE OWNER SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEMOLISH AND/OR LEGALLY DISPOSE OF.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION AND REMAIN IN PLACE UNTIL FINAL STABILIZATION AND COMPLETION OF CONSTRUCTION ACTIVITIES.
- IF ANY HAZARDOUS MATERIAL IS ENCOUNTERED DURING DEMOLITION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND APPROPRIATE AGENCIES FOR PROPER REMOVAL AND DISPOSAL.
- DEMOLITION SHALL MEET ALL APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS.
- CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UTILITIES AND CONFIRM LOCATION, AND DEPTH IF NECESSARY BY MEAN OF NON DESTRUCTIVE INVESTIGATION (IE. POT HOLING WITH VAC OR WATER). ANY UTILITIES LOCATED BY CONTRACTOR THAT ARE DAMAGED ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DRAWING LEGEND

NOTE: THIS LEGEND DOES NOT APPLY TO 'EXISTING CONDITIONS' SHEET(S). THOSE ARE SHOWN IN THE ORIGINAL FORMAT AS RECEIVED BY THE SURVEYOR

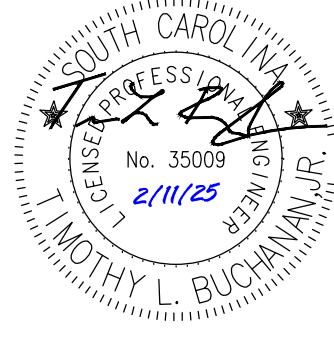
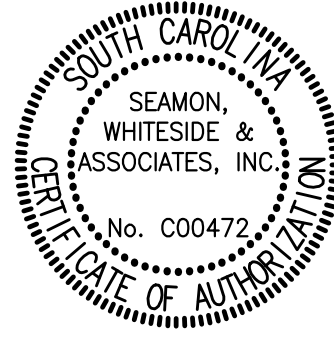
OBJECTS AND SYMBOLS	EXISTING	NEW	OBJECTS AND SYMBOLS	EXISTING	NEW	ABBREVIATIONS	EXISTING	NEW	SWPP PLAN LEGEND
RIGHT OF WAY			BENCHMARK		N/A	SEWER EASEMENT	EX. S.E.	S.E.	TURF REINFORCEMENT MAT
LOT LINE			SANITARY SEWER MANHOLE			STORM EASEMENT	EX. W.E.	W.E.	SOODING (SEE TURF AND GRASSES SPECS)
ADJOINING PROPERTY LINE		N/A	SANITARY SEWER CLEANOUT			DRAINAGE EASEMENT	EX. D.E.	D.E.	SURFACE ROUGHENING
CENTERLINE		(SAME AS EXISTING)	DOUBLE SANITARY SEWER SERVICE (RESIDENTIAL ONLY)			GENERAL UTILITY EASEMENT	EX. G.U.E.	G.U.E.	TEMPORARY SEEDING (SEE SCHEDULE IN EG NOTES)
EASEMENT			SINGLE SANITARY SEWER SERVICE (RESIDENTIAL ONLY)			ACCESS EASEMENT	EX. A.E.	A.E.	PERMANENT SEEDING (SEE TURF AND GRASSES SPECS)
SETBACK		(SAME AS EXISTING)	TYPE 1 STORM DRAINAGE STRUCTURE (C1-1)			INGRESS/EGRESS EASEMENT	EX. I.E.E.	I.E.E.	MULCHING (SEE TURF AND GRASSES SPECS)
SANITARY SEWER (GRAVITY)	ES	S	TYPE 16 STORM DRAINAGE STRUCTURE (C1-16)			POND MAINTENANCE EASEMENT	EX. P.M.E.	P.M.E.	TYPICAL LOT EROSION CONTROL PLAN
SANITARY SEWER (FORCE MAIN)	EFM	FM	TYPE 17 STORM DRAINAGE STRUCTURE (RIGHT) (C1-17)			WATER SURFACE ELEVATION	EX. W.S.E.	W.S.E.	FLEXIBLE GROWTH MEDIUM (SEE TURF AND GRASSES SPECS)
WATER LINE	EW	W	TYPE 18 STORM DRAINAGE STRUCTURE (LEFT) (C1-17)			POLYVINYL CHLORIDE PIPE	EX. PVC	PVC	EROSION CONTROL BLANKET (SEE TURF AND GRASSES SPECS)
CURB & GUTTER (STRAIGHT)			CATCH BASIN (CB)			REINFORCED CONCRETE PIPE	EX. RCP	RCP	DUST CONTROL
CURB & GUTTER (ROLL)			ISOLATION BOX (IB)			HIGH DENSITY CORRUGATED POLYETHYLENE PIPE	EX. HDPE	HDPE	BONDED FIBER MATRIX (SEE TURF AND GRASSES SPECS)
PREVIOUS PHASE STORM DRAIN PIPE	(WIDTH VARIES WITH SIZE)	N/A	STORM DRAINAGE JUNCTION BOX (JB)			DUCTILE IRON PIPE	EX. DIP	DIP	CONCRETE WASHOUT BASIN
STORM DRAIN PIPE	ED	(WIDTH VARIES WITH SIZE)	YARD INLET (YI)			CORRUGATED METAL PIPE	EX. CMP	CMP	PORTABLE TOILET
DRAINAGE FLOW ARROW	N/A		CONTROL STRUCTURE (CS)			HOME OWNERS ASSOCIATION	EX. HOA	HOA	BLOCK & STONE INLET PROTECTION
ROOF DRAIN	ERD	RD	STORM DRAINAGE STRUCTURE ID #			PROPERTY OWNERS ASSOCIATION	EX. POA	POA	TEMP. SEDIMENT CONTROL TUBE (SEE TUBE)
SUBSURFACE DRAINAGE	EUD	UD	TELEPHONE BOX						TEMP. ROCK DITCH CHECKS
SILT FENCE, STANDARD	ESF	SF	TELEPHONE MANHOLE						TURF REINFORCEMENT MAT OUTLET PROTECTION (AND TURF AND GRASSES SPECS)
SILT FENCE, REINFORCED	ERSF	RSF	ELECTRICAL BOX						FILTER FABRIC INLET PROTECTION
PHASE LINE	N/A		ELECTRICAL MANHOLE						TEMP. CURB INLET WEEP FILTER
DRAINAGE BASIN LIMITS	N/A		POWER POLE						CURB INLET SEDIMENT FILTER
FLOOD ZONE	ZONE "X" ZONE "AE"	N/A	LIGHT POLE						BOTH CURB INLET FILTERS (SEE ABOVE)
CONDUIT	EC	C	FIRE HYDRANT ASSEMBLY						CONSTRUCTION ENTRANCE
NATURAL GAS	EG	G	WATER BLOWOFF						DANDY SACK OR GRATE GATOR INLET PROTECTION
OVERHEAD ELECTRICAL	EP	P	WATER LINE BENDS, ANGLE VARIES						
UNDERGROUND ELECTRICAL	EUP	UP	WATER LINE VALVE						
UNDERGROUND TELEPHONE	ET	T	WATER LINE REDUCER						
UNDERGROUND CABLE	ETV	TV	SINGLE WATER SERVICE (RESIDENTIAL ONLY)						
UNDERGROUND FIBER OPTIC	EFO	FO	DOUBLE WATER SERVICE (RESIDENTIAL ONLY)						
FENCE	X	X	SIGN						
ELEVATION CONTOUR			ADA ACCESSIBLE PARKING SPACE						
REVISION CLOUD (ENCLOSES REVISION)	N/A		SPOT ELEVATION						

SCDHEC STANDARD NOTES

- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES, IF APPLICABLE, OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- CONSTRUCTION ENTRANCES TO BE PROVIDED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ACCESSES A PAVED ROADWAY.
- INLET PROTECTION WILL BE PROVIDED AT ALL EXISTING INLETS THAT RECEIVED FLOWS FROM THE DISTURBED AREAS.
- ALL OFF-SITE BORROW SITES MUST HAVE A SEPARATE NPDES PERMIT.
- THE CONTRACTOR WILL PROVIDE A PORTABLE TOILET IN AN AREA THAT IS NOT ADJACENT TO A WATERWAY OR STORM DRAINAGE.
- THE CONTRACTOR WILL PROVIDE A PLACE FOR CONCRETE TRUCKS TO WASHOUT AND THE WASHOUT IS TO BE BURIED ONSITE UNTIL CONSTRUCTION IS COMPLETE. WHEN CONSTRUCTION IS COMPLETE THE WASTE IS TO BE HAULED OFF TO A LANDFILL.



MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.972.0710
SPARTANBURG, SC
864.272.1272
CHARLOTTE, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM



SENECA AMPHITHEATER
CITY OF SENECA, SOUTH CAROLINA

SW+ PROJECT: 10646
DATE: 05/22/24
DRAWN BY: WDM
CHECKED BY: NM

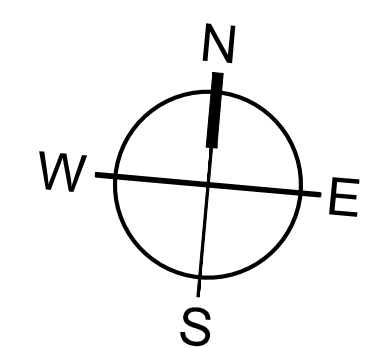
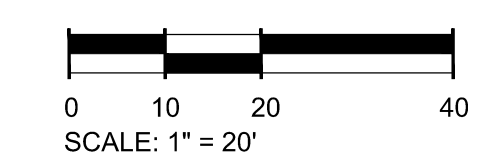
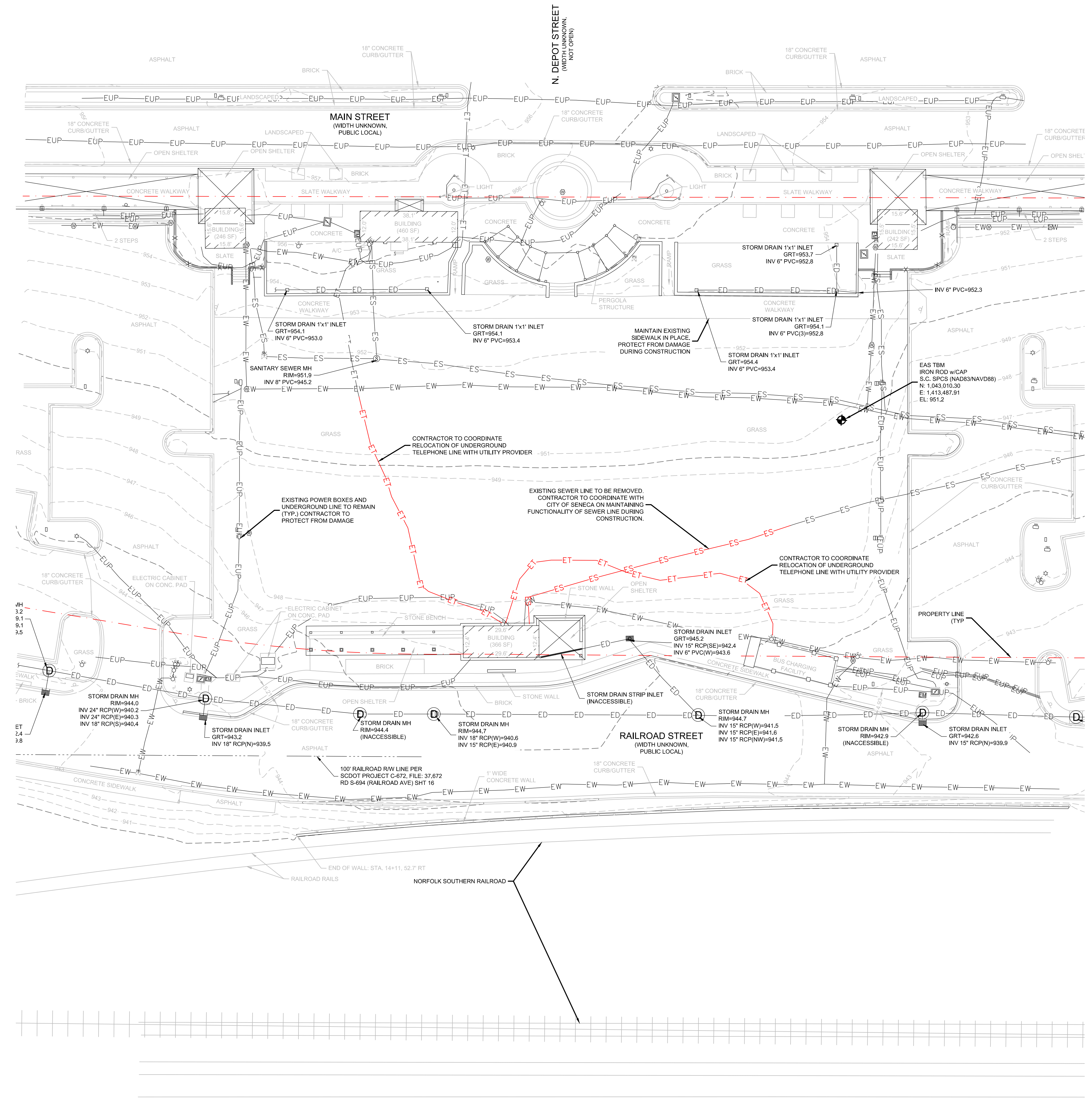
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2	ISSUE FOR BID	02/07/2025

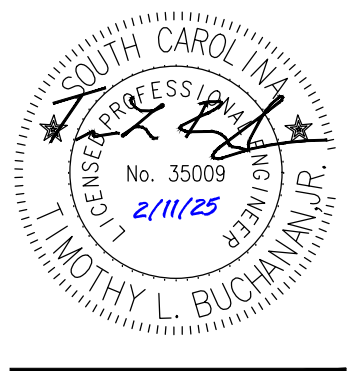
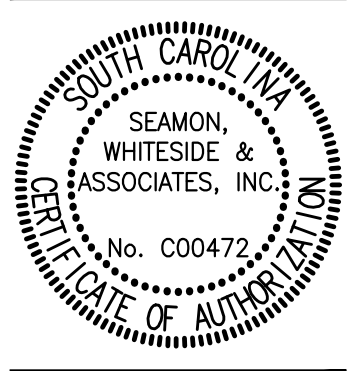
LEGEND & REVISION NOTES

501 WANDO PARK BOULEVARD, SUITE 2001 MOUNT PLEASANT, SC 29566 | JUDICIAL HILLS BUILDING GROUP, 371 EASLEY BRIDGE RD, SUITE 6001 GREENVILLE, SC 29611 | 270 PETERSBURG BL, CHARLOTTE, NC 28217 | 701 N. CENAS STREET | SUMMERVILLE, SC 29586 | 1501 N. DANIEL MORGAN AVENUE, SUITE 300 | SPARTANBURG, SC 29306

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29546 | JUDGE & ASSOCIATES, INC. | 803.781.1111 | WWW.JUDGEANDASSOCIATES.COM
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 GREENVILLE, SC 864.298.0534
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SENECA AMPHITHEATER

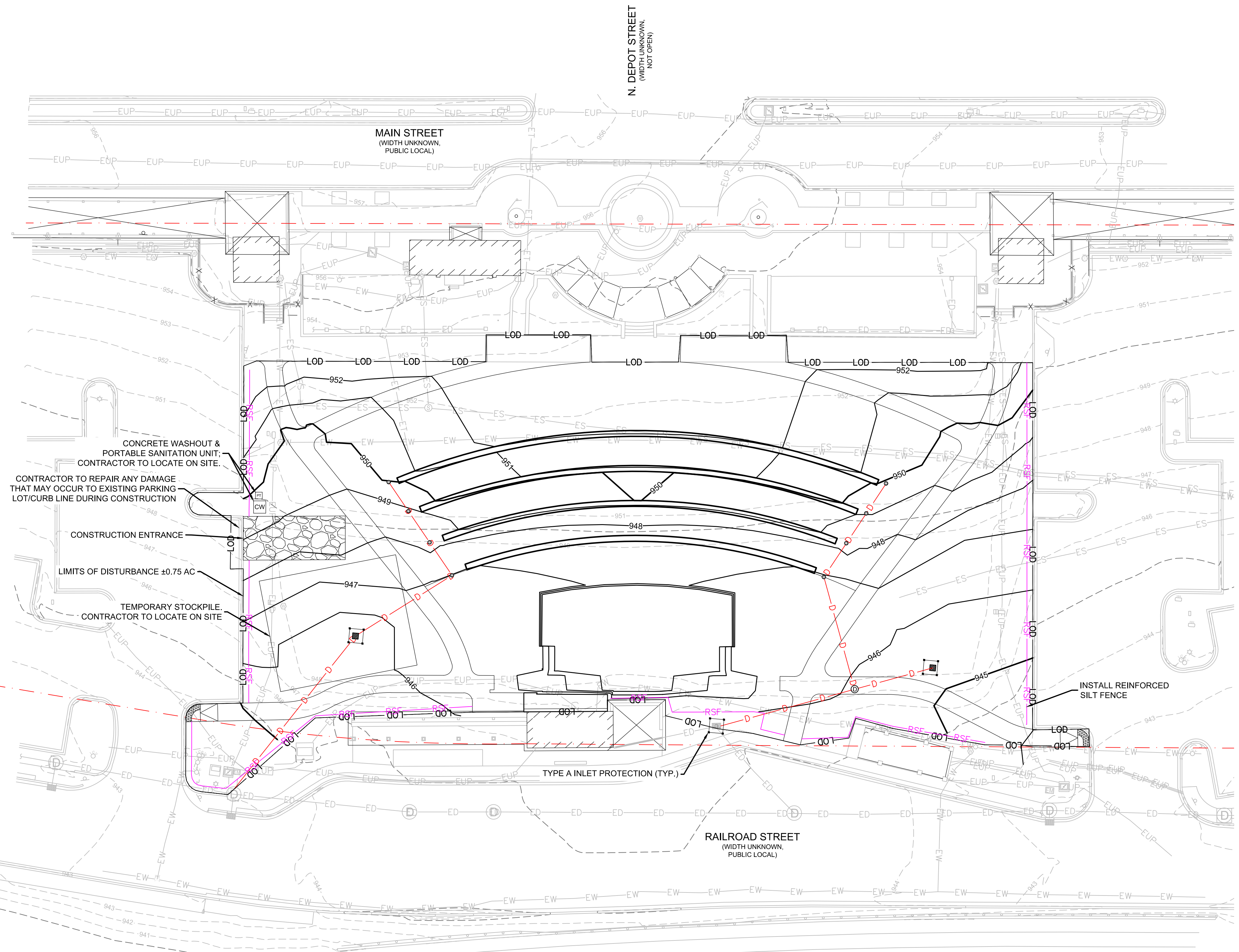
CITY OF SENECA, SOUTH CAROLINA

SW+ PROJECT: 10646
 DATE: 05/22/24
 DRAWN BY: WDM
 CHECKED BY: NM

REVISION HISTORY	
1	IFC SET 10/22/2024
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EXISTING
 CONDITIONS/
 DEMOLITION
 PLAN

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29546 | JUDSON MILLS BUILDING GROUP, 371 EAST EYEBROUSE DR, SUITE 600 | GREENVILLE, SC 29611 | 270 PETERSBORO | CHARLOTTE, NC 28217 | 701 N. CENTRAL STREET | SUMMERVILLE, SC 29586 | 151 N. DANIEL MORGAN AVENUE, SUITE 300 | SPARTANBURG, SC 29306



HAUL IN OR HAUL OFF SOIL NOTE:
 CONTRACTOR TO ENSURE THAT ANY SOIL THAT IS POTENTIALLY HAULED IN FROM OFFSITE OR HAULED OFF OF THE SITE MUST BE FROM OR GO TO A PERMITTED SITE LOCATION. ANY APPLICABLE PERMITTING WILL BE THE CONTRACTOR'S RESPONSIBILITY.

GRADING NOTE:
 THE GRADING OF THE PROJECT SITE SHOULD ONLY COMMENCE ONCE PERIMETER BMPs (I.E. SILT FENCE) HAVE BEEN INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR ROUTING STORMWATER RUNOFF TO THE PERIMETER BMPs DURING CONSTRUCTION.

SURFACE TRACKING NOTE:
 CONTRACTOR TO TRACK ALL SLOPES AFTER INSTALLATION. SEE SURFACE TRACKING DETAIL.

SWPPP LEGEND

Concrete Washout Basin (See Detail)	
Inlet Protection (See Detail)	
Temporary Construction Entrance (See Detail)	
Reinforced Silt Fence	
LIMITS OF DISTURBANCE	



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 GREENVILLE, SC 864.298.0534
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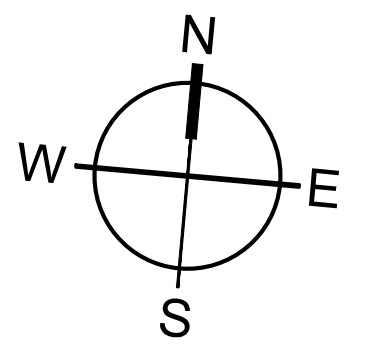
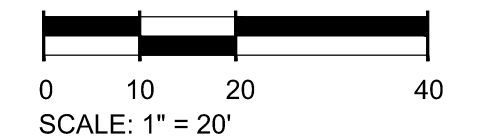
SENECA AMPHITHEATER

CITY OF SENECA, SOUTH CAROLINA

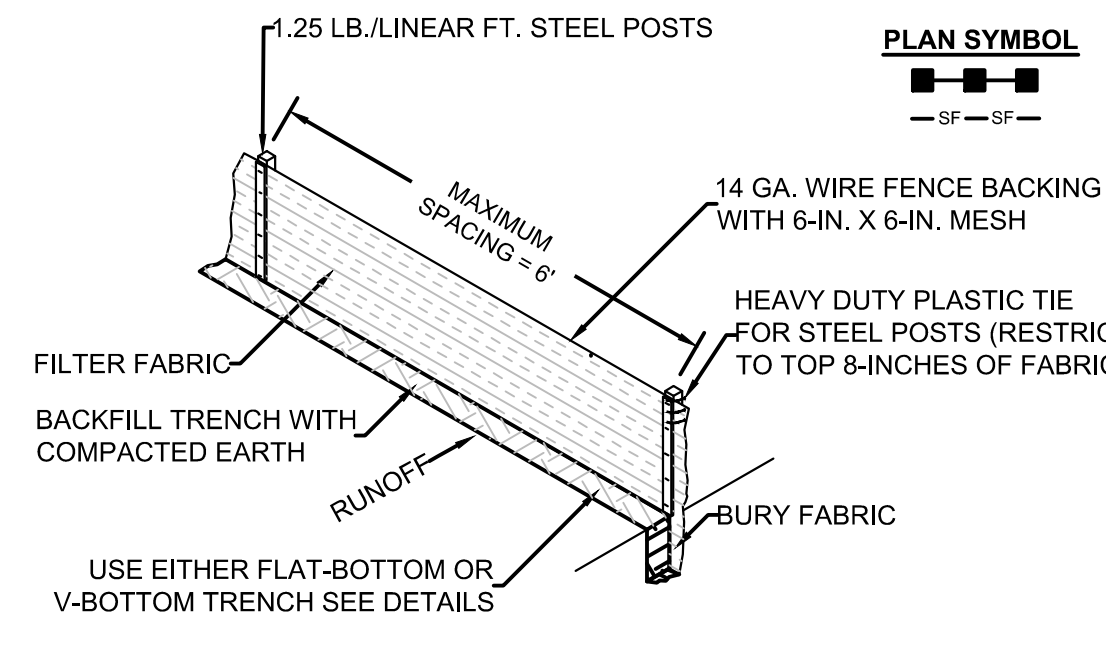
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REVISION HISTORY

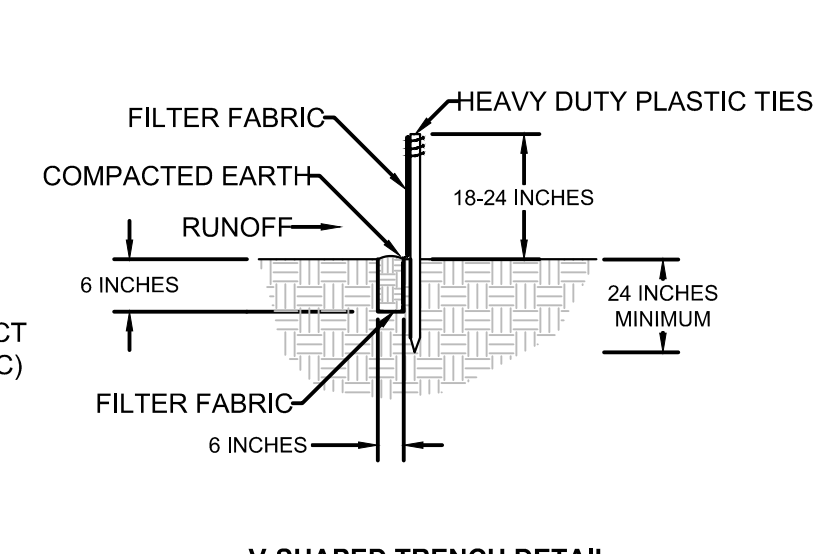
1	IFC SET	10/22/2024
2	ISSUE FOR BID	02/07/2025



EROSION & SEDIMENT CONTROL PLAN



- SILT FENCE - POST REQUIREMENTS**
- SILT FENCE POSTS MUST BE 48-INCH LONG STEEL POSTS THAT MEET, AT A MINIMUM, THE FOLLOWING PHYSICAL CHARACTERISTICS.
 - COMPOSED OF A HIGH STRENGTH STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI.
 - INCLUDE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.39-INCHES AND A NOMINAL "T" LENGTH OF 1.48-INCHES. WEIGH 1.25 POUNDS PER FOOT (± 8%).
 - POSTS SHALL BE EQUIPPED WITH PROJECTIONS TO AID IN FASTENING OF FILTER FABRIC.
 - STEEL POSTS MAY NEED TO HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM WHEN INSTALLED ALONG STEEP SLOPES OR INSTALLED IN LOOSE SOILS. THE PLATE SHOULD HAVE A MINIMUM CROSS SECTION OF 17-SQUARE INCHES AND BE COMPOSED OF 15 GAUGE STEEL, AT A MINIMUM. THE METAL SOIL STABILIZATION PLATE SHOULD BE COMPLETELY BURIED.
 - INSTALL POSTS TO A MINIMUM OF 24-INCHES. A MINIMUM HEIGHT OF 1- TO 2-INCHES ABOVE THE FABRIC SHALL BE MAINTAINED, AND A MAXIMUM HEIGHT OF 3 FEET SHALL BE MAINTAINED ABOVE THE GROUND. POST SPACING SHALL BE AT A MAXIMUM OF 6- FEET ON CENTER.



South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

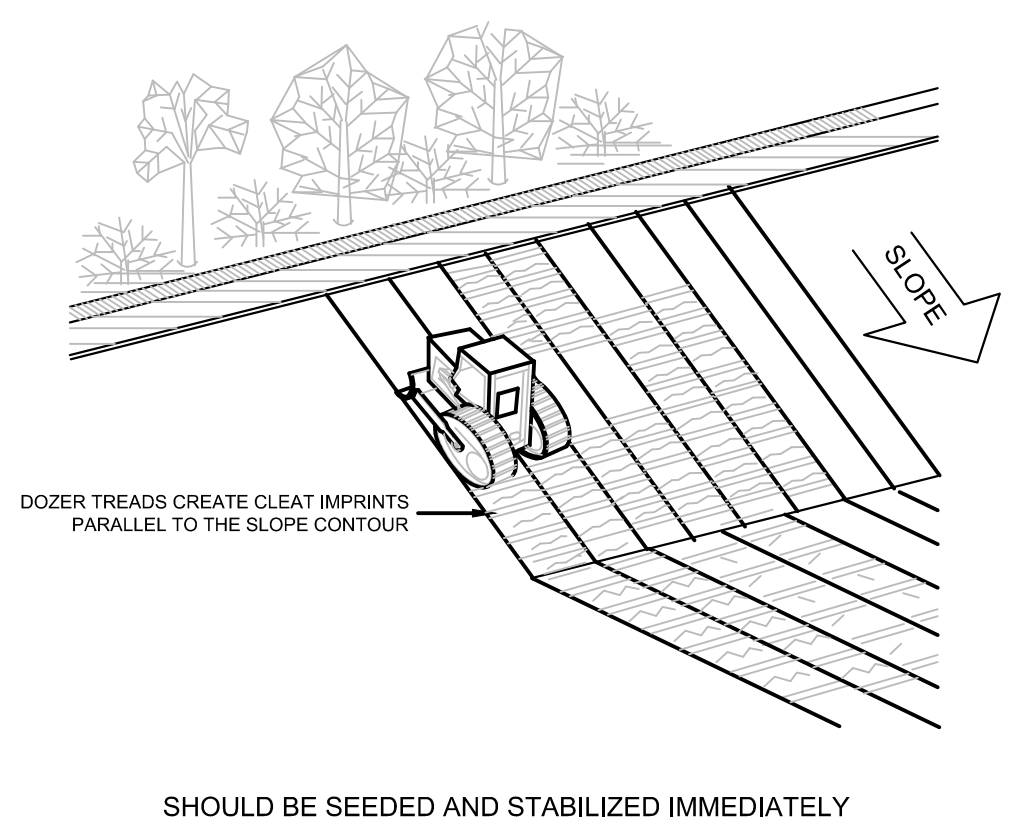
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FEBRUARY 2014 DATE

- SILT FENCE - INSPECTION & MAINTENANCE**
- THE KEY TO FUNCTIONAL SILT FENCE IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
 - AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPs BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPs.
 - ATTENTION TO SEDIMENT ACCUMULATIONS ALONG THE SILT FENCE IS EXTREMELY IMPORTANT. ACCUMULATED SEDIMENT SHOULD BE CONTINUALLY MONITORED AND REMOVED WHEN NECESSARY.
 - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES 1/3 THE HEIGHT OF THE SILT FENCE.
 - REMOVED SEDIMENT SHALL BE PLACED IN STOCKPILE STORAGE AREAS OR SPREAD THINLY ACROSS DISTURBED AREA. STABILIZE THE REMOVED SEDIMENT AFTER IT IS RELOCATED.
 - CHECK FOR AREAS WHERE STORMWATER RUNOFF HAS ERODED A CHANNEL BENEATH THE SILT FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED DUE TO RUNOFF OVERTOPPING THE SILT FENCE. INSTALL CHECKSTIE-BACKS AND/OR REINSTALL SILT FENCE, AS NECESSARY.
 - CHECK FOR TEARS WITHIN THE SILT FENCE, AREAS WHERE SILT FENCE HAS BEGUN TO DECOMPOSE, AND FOR ANY OTHER CIRCUMSTANCE THAT MAY RENDER THE SILT FENCE INEFFECTIVE. REMOVED DAMAGED SILT FENCE AND REINSTALL NEW SILT FENCE IMMEDIATELY.
 - SILT FENCE SHOULD BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED AND ONCE IT IS REMOVED, THE RESULTING DISTURBED AREA SHALL BE PERMANENTLY STABILIZED.

- SILT FENCE - FABRIC REQUIREMENTS**
- SILT FENCE MUST BE COMPOSED OF WOVEN GEOTEXTILE FILTER FABRIC THAT CONSISTS OF THE FOLLOWING REQUIREMENTS:
 - COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES THAT ARE FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER;
 - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION;
 - FREE OF ANY DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES; AND, HAVE A MINIMUM WIDTH OF 36-INCHES.
 - USE ONLY FABRIC APPEARING ON SC DOT'S QUALIFIED PRODUCTS LISTING (QPL), APPROVAL SHEET #34, MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
 - 12-INCHES OF THE FABRIC SHOULD BE PLACED WITHIN EXCAVATED TRENCH AND TOED IN WHEN THE TRENCH IS BACKFILLED.
 - FILTER FABRIC SHALL BE PURCHASED IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS.
 - FILTER FABRIC SHALL BE INSTALLED AT A MINIMUM OF 24-INCHES ABOVE THE GROUND.

- SILT FENCE - GENERAL NOTES**
- DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
 - MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100- FEET.
 - MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO THE FENCE LINE) SHALL BE 2:1.
 - SILT FENCE JOINTS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
 - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1-FOOT MINIMUM OVERLAP;
 - OVERLAP SILT FENCE BY INSTALLING 3- FEET PASSED THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES; OR,
 - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM ONE SUPPORT POST TO THE NEXT SUPPORT POST.
 - ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITHIN THE TOP 8-INCHES OF THE FABRIC.
 - INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORMWATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT. INSTALL SILT FENCE CHECKS (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.



South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 2 of 2

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FEBRUARY 2014 DATE

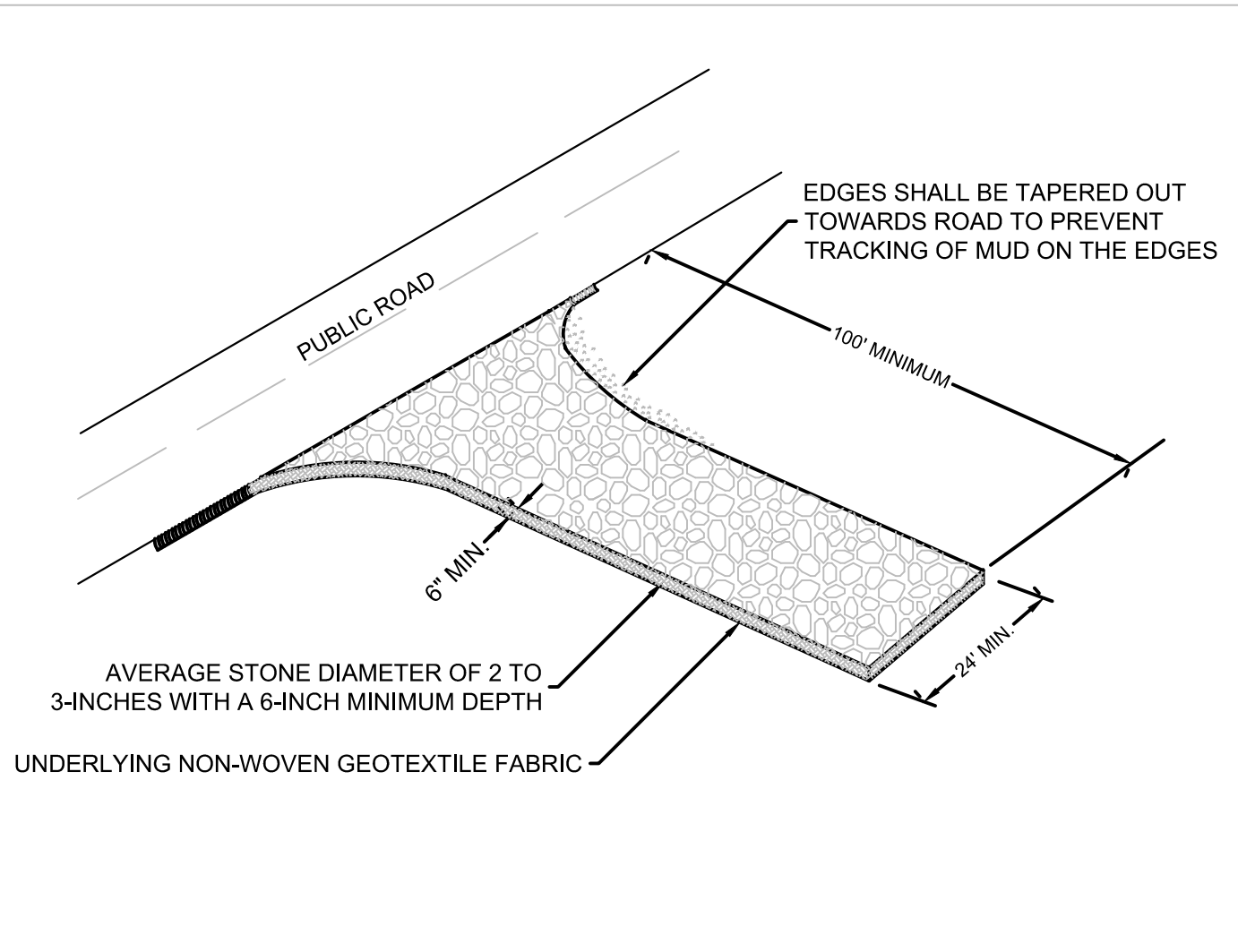
South Carolina Department of Health and Environmental Control

TRACKING

STANDARD DRAWING NO. EC-01 PAGE 1

APPROVED BY: _____ SCORE: _____ AUGUST 2008 DATE

1 Reinforced Silt Fence
 SCALE: NOT TO SCALE



SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

NOT TO SCALE

FEBRUARY 2014 DATE

- CONSTRUCTION ENTRANCE - INSPECTION & MAINTENANCE**
- THE KEY TO FUNCTIONAL CONSTRUCTION ENTRANCES IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
 - AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPs BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPs.
 - DURING REGULAR INSPECTIONS, CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. INSPECTION FREQUENCIES MAY NEED TO BE MORE FREQUENT DURING LONG PERIODS OF WET WEATHER.
 - RESHAPE THE STONE PAD AS NECESSARY FOR DRAINAGE AND RUNOFF CONTROL.
 - WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY SITE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE THE AMOUNT OF MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE PAD. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO ADJACENT IMPERVIOUS SURFACES BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.
 - DURING MAINTENANCE ACTIVITIES, ANY BROKEN PAVEMENT SHOULD BE REPAIRED IMMEDIATELY.
 - CONSTRUCTION ENTRANCES SHOULD BE REMOVED AFTER THE SITE HAS REACHED FINAL STABILIZATION. PERMANENT VEGETATION SHOULD REPLACE AREAS FROM WHICH CONSTRUCTION ENTRANCES HAVE BEEN REMOVED, UNLESS AREA WILL BE CONVERTED TO AN IMPERVIOUS SURFACE TO SERVE POST-CONSTRUCTION.

- CONSTRUCTION ENTRANCE - GENERAL NOTES**
- STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL EGRESS/INGRESS A CONSTRUCTION SITE ONTO A PUBLIC ROAD OR ANY IMPERVIOUS SURFACES, SUCH AS PARKING LOTS.
 - INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
 - INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE. THE ENTRANCE SHALL CONSIST OF 2-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.
 - MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24- FEET WIDE BY 100- FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
 - THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING AT THE EDGE OF THE ENTRANCE.
 - DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN OR OTHER SEDIMENT TRAPPING STRUCTURE. LIMESTONE MAY NOT BE USED FOR THE STONE PAD.

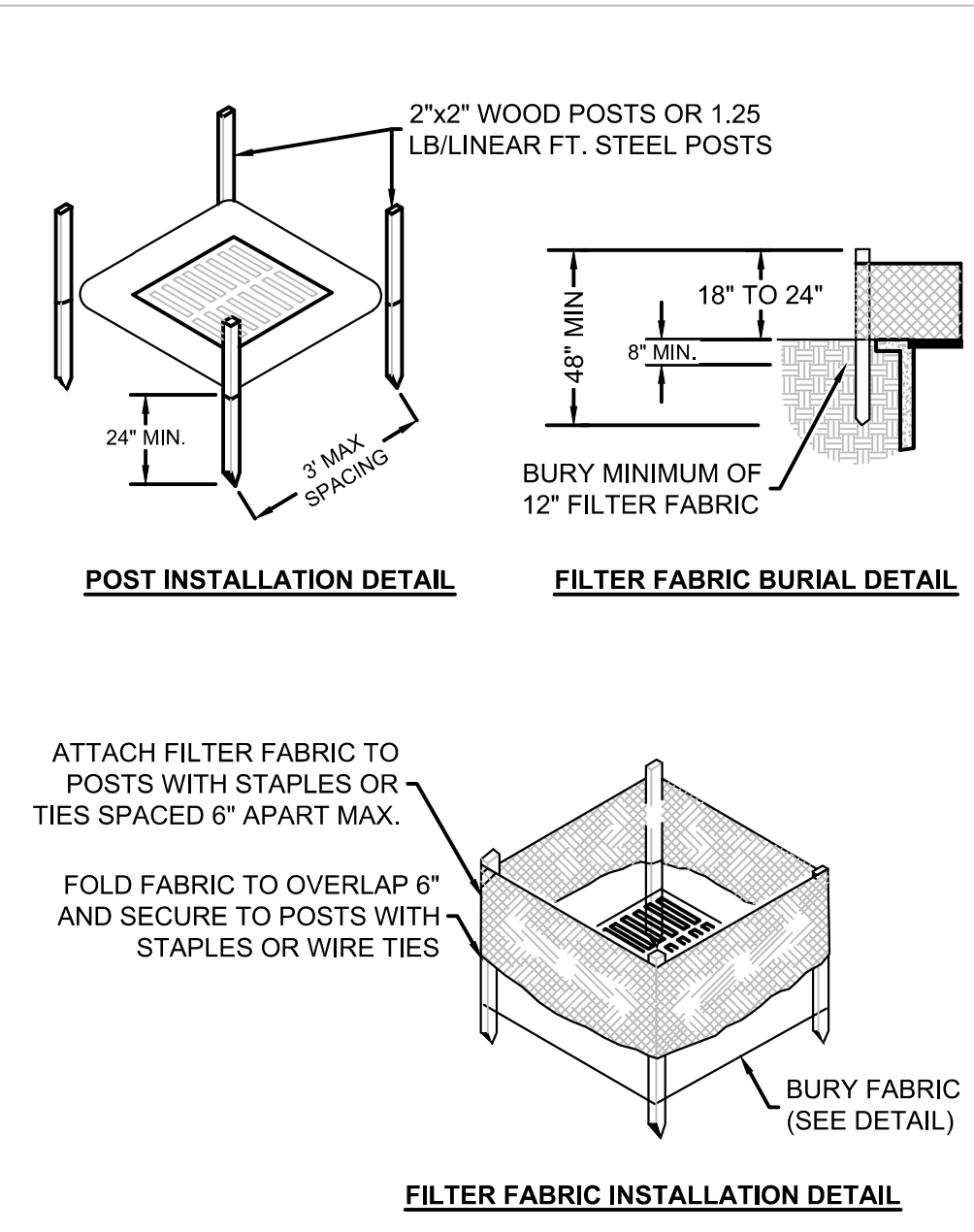
South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

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FEBRUARY 2014 DATE



- FILTER FABRIC INLET PROTECTION MATERIALS:**
- USE FILTER FABRIC THAT CONFORMS TO SC DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), REFER TO THE SILT FENCE GEOTEXTILE FABRICS APPROVAL SHEET #34.
 - USE STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
 - BE COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
 - HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
 - WEIGH 1.25 POUNDS PER FOOT (± 8%).
 - BE PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.
 - ATTACH FABRIC TO METAL POSTS WITH HEAVY-DUTY PLASTIC TIES.
- INSTALLATION:**
- EXCAVATE A TRENCH 6-INCHES WIDE AND 6-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE INLET UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
 - EXTEND THE FILTER FABRIC A MINIMUM OF 12-INCHES INTO THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR CRUSHED STONE AND COMPACT OVER THE FILTER FABRIC UNLESS THE FABRIC IS PNEUMATICALLY INSTALLED.
 - USE STEEL POSTS WITH A MINIMUM POST LENGTH OF 60-INCHES CONSISTING OF STANDARD "T" SECTIONS WITH A WEIGHT OF 1.25 POUNDS PER FOOT (± 8%).
 - INSTALL THE FILTER FABRIC TO A MINIMUM HEIGHT OF 24-INCHES ABOVE GRADE. SPACE THE STEEL POSTS AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 5- FEET APART AND DRIVE THEM INTO THE GROUND A MINIMUM OF 24-INCHES. CUT THE FILTER FABRIC FROM A CONTINUOUS ROLL TO THE LENGTH OF THE PROTECTED AREA TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, WRAP FILTER FABRIC TOGETHER ONLY AT A SUPPORT POST WITH BOTH ENDS SECURELY FASTENED TO THE POST, WITH A MINIMUM 6-INCH OVERLAP.
 - ATTACH FABRIC TO STEEL POSTS WITH HEAVY-DUTY PLASTIC TIES.
 - ATTACH AT LEAST FOUR (4) EVENLY SPACED TIES IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, AFFIX TIES IN NO LESS THAN FOUR (4) PLACES.
- INSPECTION AND MAINTENANCE:**
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPs BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPs.
 - IF THE FABRIC BECOMES CLOGGED, IT SHOULD BE REPLACED. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE FENCE. TAKE CARE NOT TO DAMAGE OR UNDERCUT FABRIC WHEN REMOVING SEDIMENT. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM.
 - STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. STABILIZE, REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE DROP INLET STRUCTURE CREST. USE APPROPRIATE PERMANENT STABILIZATION METHODS TO STABILIZE BARE AREAS AROUND THE INLET.

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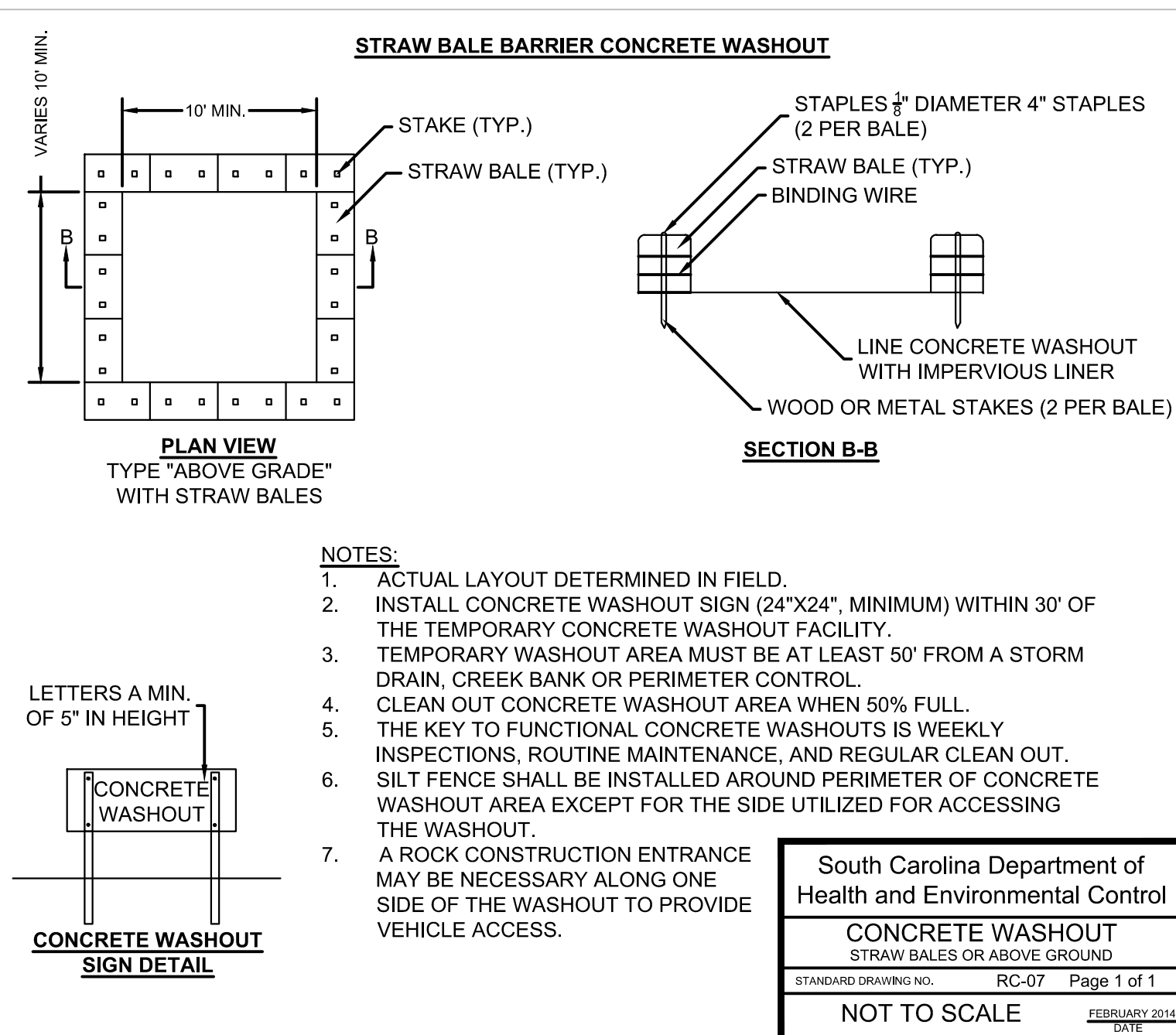
TYPE A - FILTER FABRIC INLET PROTECTION

STANDARD DRAWING NO. SC-07

APPROVED BY: _____ SCORE: _____ AUGUST 2008 DATE

4 Type A Inlet Protection
 SCALE: NOT TO SCALE

3 Temporary Construction Entrance
 SCALE: NOT TO SCALE



5 Concrete Washout - Straw Bale Barrier
 SCALE: NOT TO SCALE

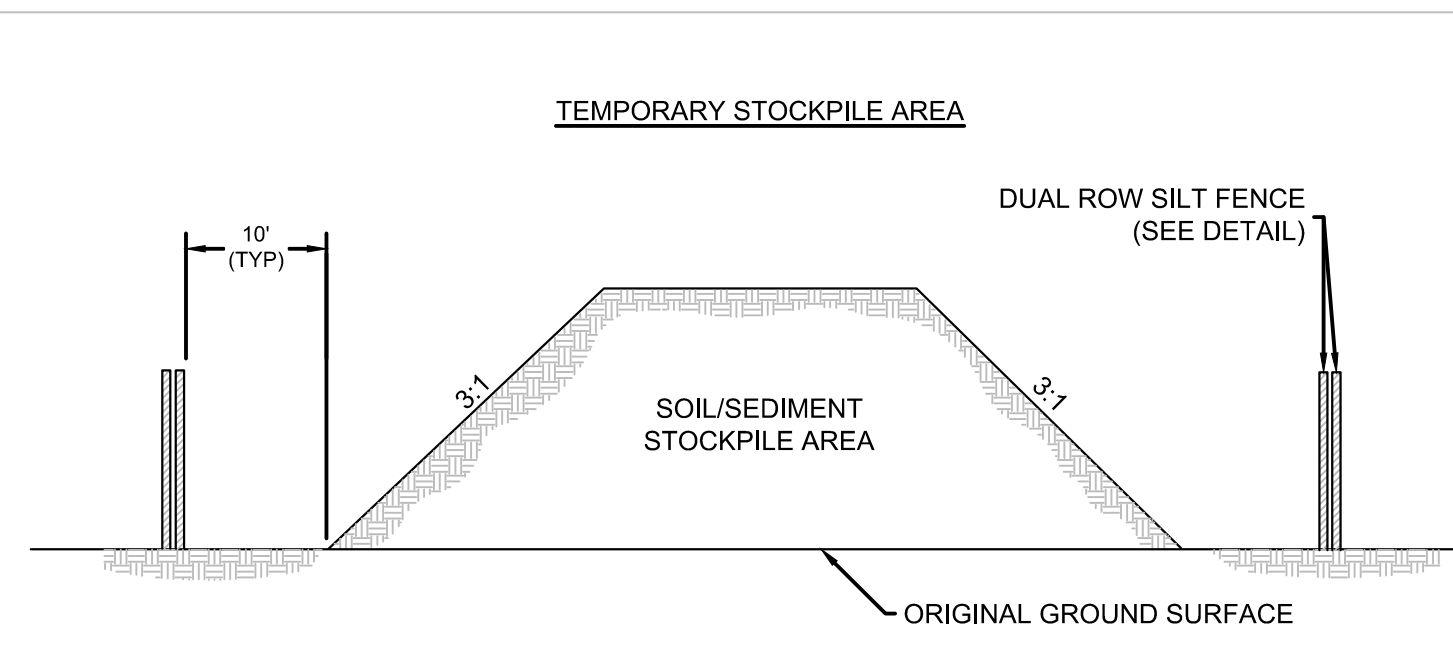
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CONCRETE WASHOUT STRAW BALES OR ABOVE GROUND

STANDARD DRAWING NO. RC-07 Page 1 of 1

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- NOTES:**
- SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE, OR IF STOCKPILE AREA IS LOCATED ON NEAR A SLOPE THE SILT FENCE IS TO EXTEND ALONG CONTOURS OF THE DOWN-GRADIENT AREA.
 - IF STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, TEMPORARY STABILIZATION MEASURES MUST BE IMPLEMENTED.
 - SILT FENCE SHALL BE MAINTAINED UNTIL STOCKPILE AREA HAS EITHER BEEN REMOVED OR PERMANENTLY STABILIZED.
 - THE KEY TO FUNCTIONAL TEMPORARY STOCKPILE AREAS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control

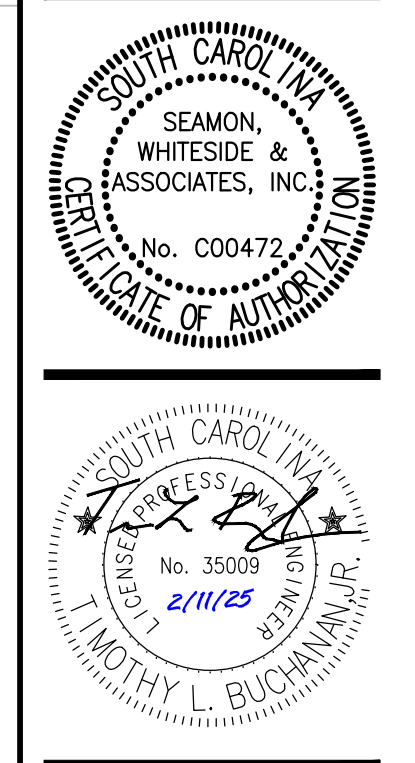
TEMPORARY STOCKPILE

STANDARD DRAWING NO. SC-15 Page 1 of 1

NOT TO SCALE

FEBRUARY 2014 DATE

6 Temporary Stockpile
 SCALE: NOT TO SCALE



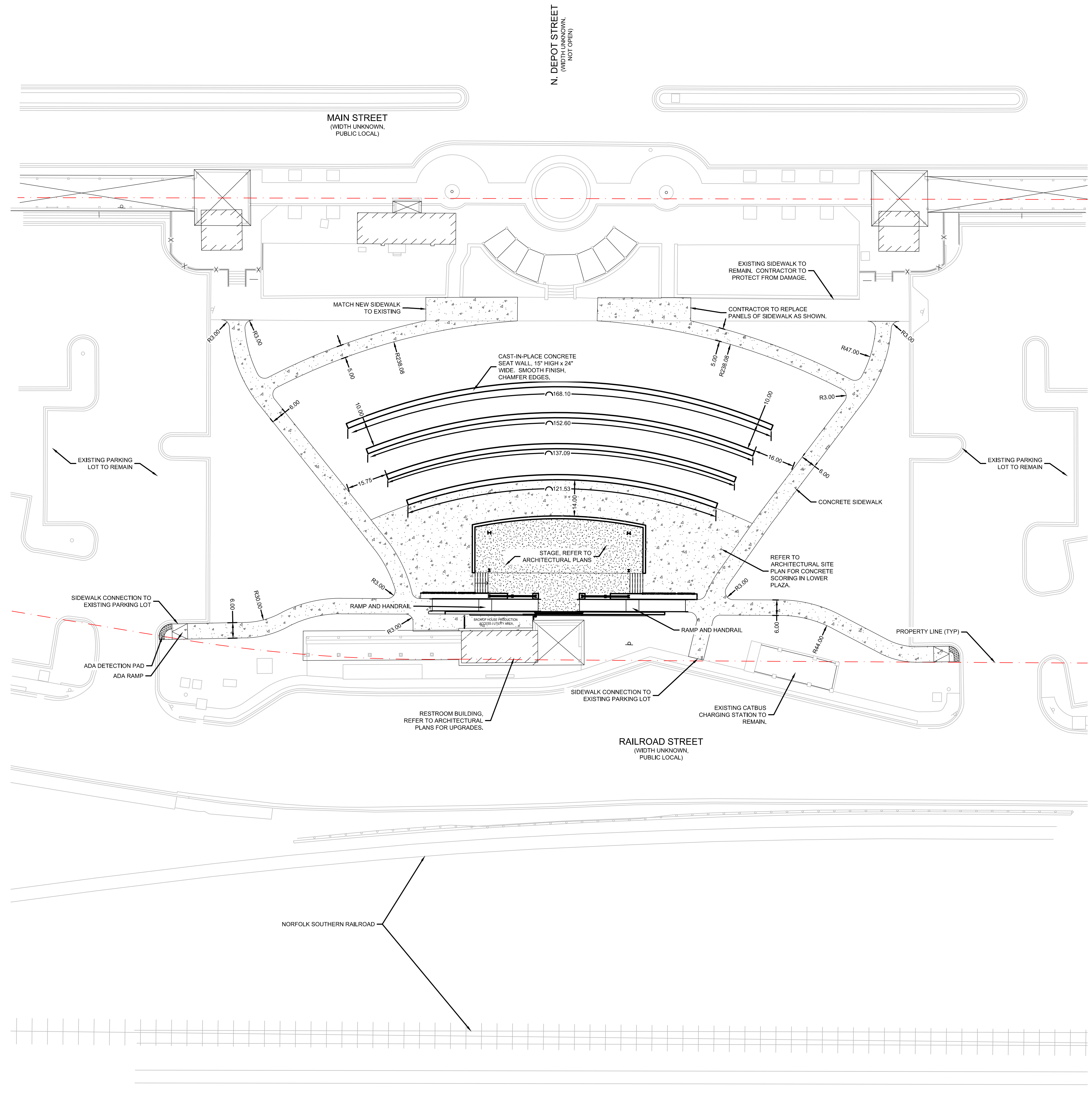
SW+ PROJECT: 10646
 DATE: 05/22/24
 DRAWN BY: WDM
 CHECKED BY: NM

REVISION HISTORY

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2	ISSUE FOR BID	02/07/2025

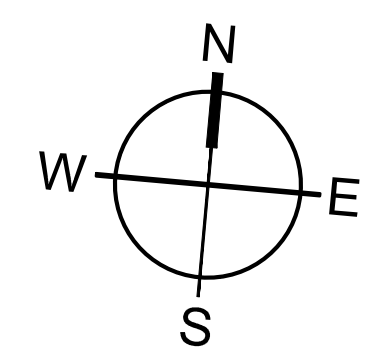
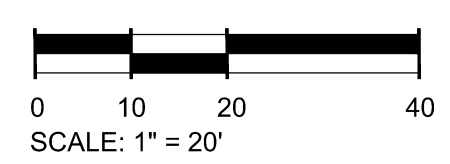
EROSION & SEDIMENT CONTROL DETAILS

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29564 | JUSCO MILLS BUILDING 2008, 214 E. CLEVEY AVENUE, SUITE 600 | GREENVILLE, SC 29611 | 270 PETERSBURG, SUITE 200 | SPARTANBURG, SC 29582 | 154 N. DANIEL MORGAN AVENUE, SUITE 300 | SPARTANBURG, SC 29586

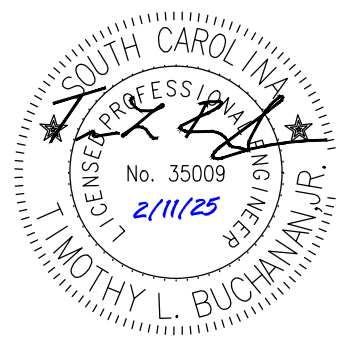


PAVEMENT LEGEND

	CONCRETE SIDEWALK
	SCORED CONCRETE SIDEWALK



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SENECA AMPHITHEATER

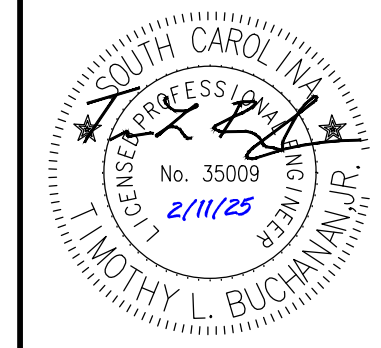
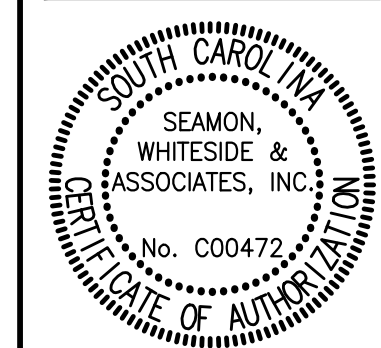
CITY OF SENECA, SOUTH CAROLINA

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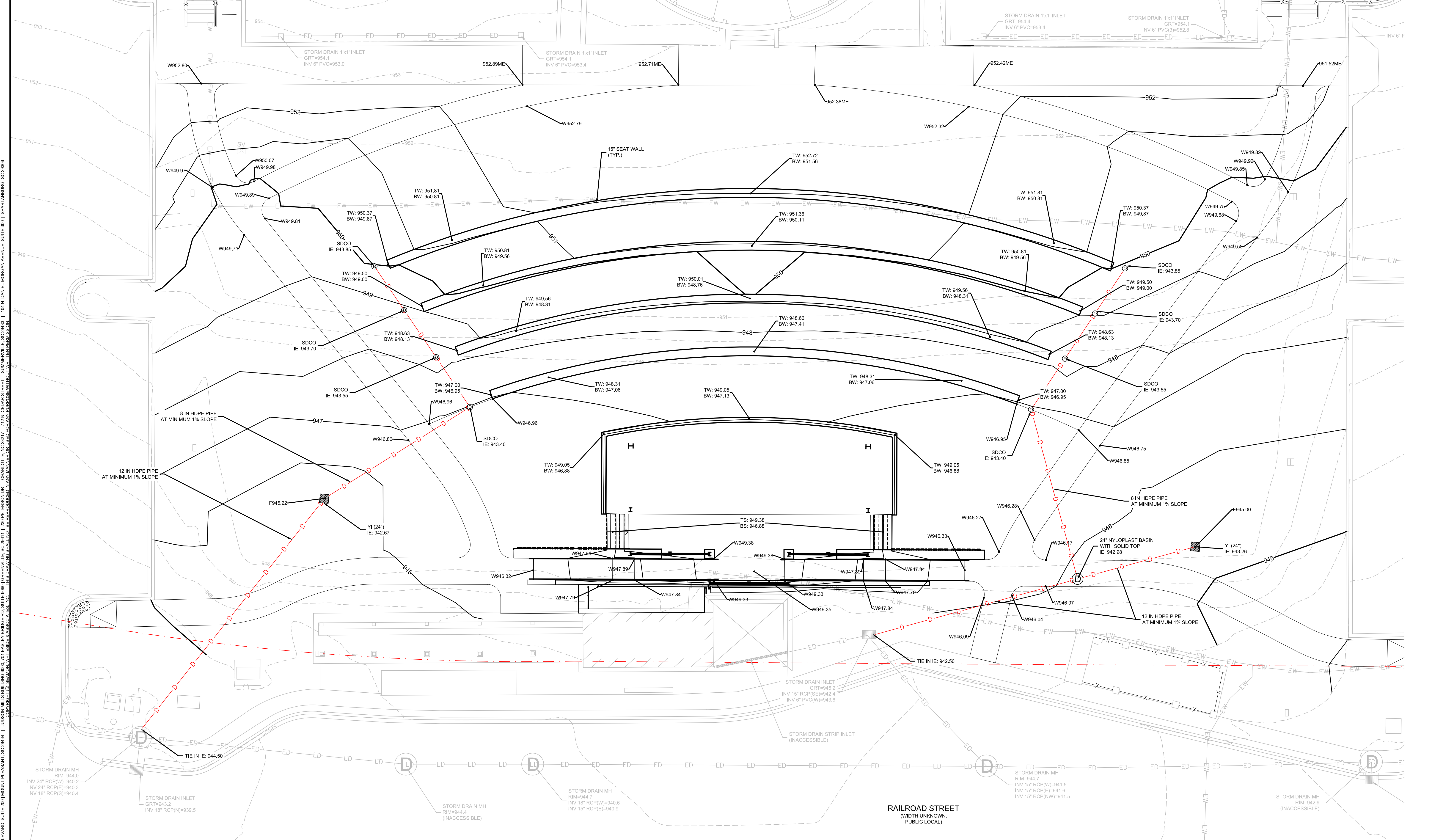
SITE PLAN



SW+ PROJECT: 10646
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GRADING PLAN



501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29546 | JACOBS MULLS BUILDING GROUP, 374 E. BASKET BRIDGE RD., SUITE 600 | GREENVILLE, SC 29611 | 270 PETERSBORO DR., SUITE 200 | SPARTANBURG, SC 29306 | 104 N. DANIEL MORGAN AVENUE, SUITE 300 | SPARTANBURG, SC 29306

SPOT ELEV KEY (FINISHED GRADING)

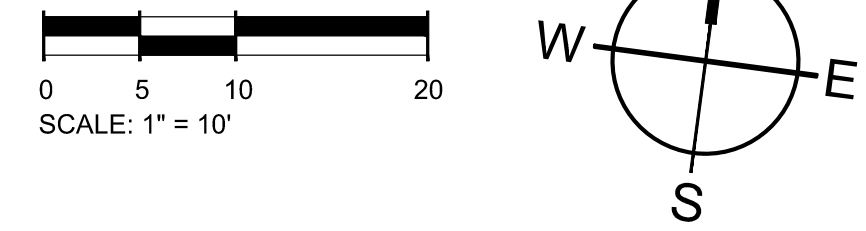
- A-(ASPHALT) SURFACE OF FINISHED ASPHALT ROADWAY OR WALKING PATH
- C-(CONCRETE) CONCRETE PAVING
- D-(DIRT) FINISHED GROUND ELEVATION
- F-(FLOW) ELEVATION AT WHICH SURFACE WATER FLOWS INTO DRAINAGE STRUCTURE
- SURFACE OF ASPHALT ADJACENT TO THROAT OR GRATE AT CURB INLET
- SURFACE OF ACCESS COVER FOR JUNCTION OR ISOLATION BOX
- SURFACE OF GRATE AT OUTSIDE EDGE FOR CATCH BASIN, GUTTER INLET, OR GRATED POND STRUCTURE
- FE - FINISHED FLOOR ELEVATION
- G-(GUTTER) SURFACE OF FINISHED GUTTER AT LOWEST POINT (ALONG WATER FLOW PATH)
- W-(WALK) SURFACE OF FINISHED CONCRETE OR INTERLOCKING PAVER SIDEWALK, PATIO, PLAZA, OR SLAB
- TC - TOP OF CURB ELEVATION
- BC - BOTTOM OF CURB ELEVATION
- TS - TOP OF STAIRS ELEVATION
- BS - BOTTOM OF STAIRS ELEVATION
- TW - FINISHED GRADE ELEVATION AT TOP OF WALL
- BW - FINISHED GRADE ELEVATION AT BOTTOM OF WALL
- ME-(MATCH EXISTING) FOLLOWING ELEVATION NUMBER - INDICATES TO MATCH ELEVATION OF EXISTING SURFACE AT POINT OF CONNECTION

EXAMPLE: A12.56ME MEANS THAT THE SURFACE OF NEW ASPHALT IS TO BE AT ELEVATION 12.56 WHICH SHOULD MATCH THE ELEVATION OF THE EXISTING ASPHALT SURFACE AT THE JOINT

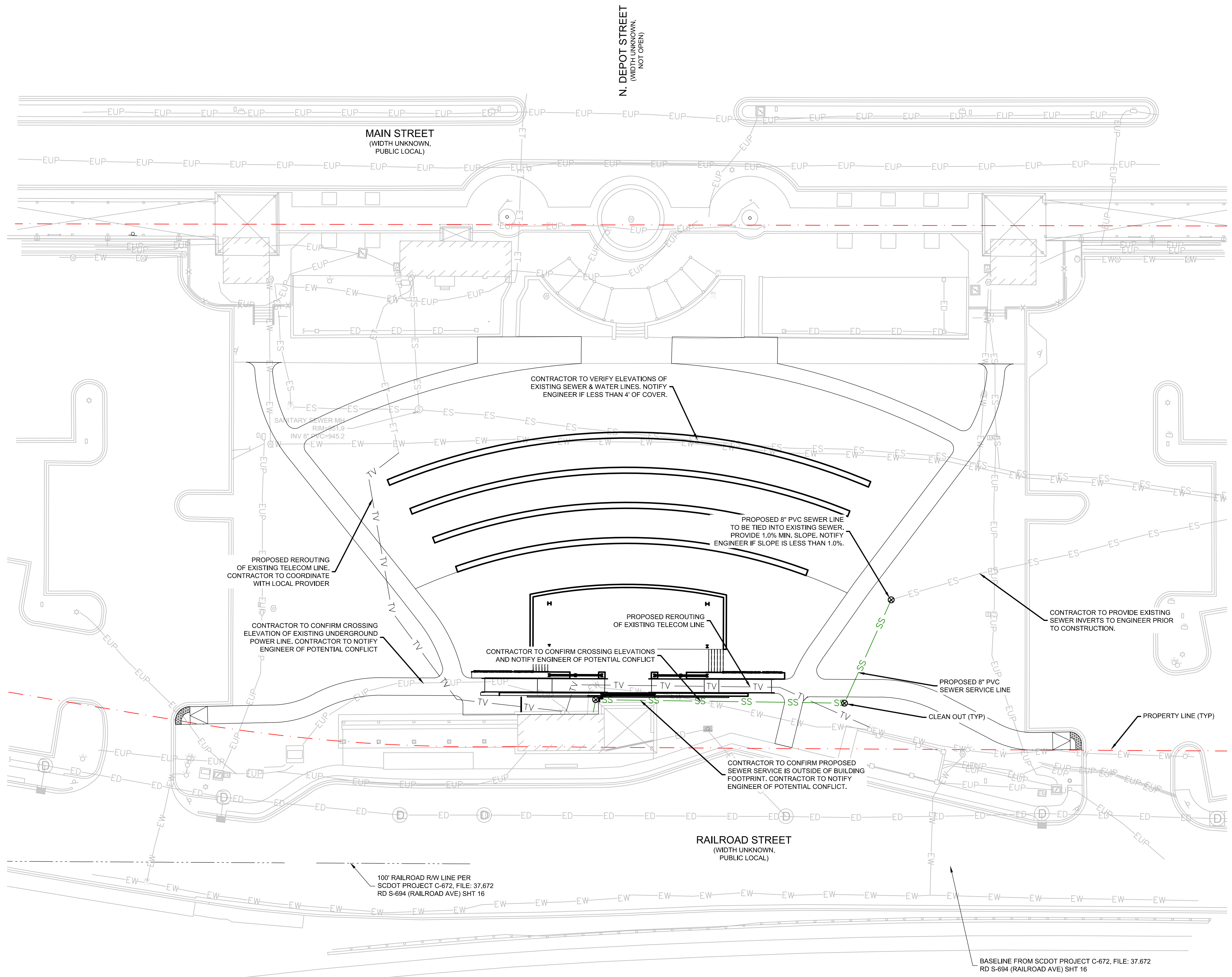
STANDARD GRADING PLAN NOTES

1. FOR PROJECT SURVEY INFORMATION INCLUDING VERTICAL DATUM AND BENCHMARK LOCATIONS, SEE "PROJECT SURVEY INFORMATION AND CONTRACTOR VERIFICATION REQUIREMENTS" ON SHEET C1.0.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO TOPOGRAPHIC, TREE, STORM DRAINAGE FACILITIES, AND ALL UTILITIES. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ENGINEER. THEREFORE, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF ALL EXISTING UTILITIES. ANY DISCREPANCIES OR CONFLICTS IDENTIFIED DURING VERIFICATION OF EXISTING CONDITIONS AND UTILITIES SHALL BE REPORTED TO THE OWNER AND ENGINEER. ANY COSTS ASSOCIATED WITH CORRECTIVE WORK OR DAMAGES THAT ARE A RESULT OF THE CONTRACTOR NOT VERIFYING EXISTING CONDITIONS AND THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WILL BE THE CONTRACTOR'S RESPONSIBILITY.
3. REFER TO ROADWAY PLAN & PROFILE SHEETS, DRAINAGE PLAN SHEETS, AND ROADWAY & DRAINAGE DETAIL SHEETS FOR ADDITIONAL DRAINAGE AND GRADING INFORMATION AND REQUIREMENTS.
4. REFER TO THE "SPOT ELEVATION KEY" FOR INFORMATION ON SPOT ELEVATIONS.
5. COORDINATE WITH THE OWNER AND THE PROJECT GEOTECHNICAL CONSULTANT FOR LOT FILL COMPACTION AND TESTING REQUIREMENTS.
6. CONTRACTOR TO SELF-VERIFY THAT SITE GRADES, PONDS, POND DIKES, DRAINAGE PIPES, AND DRAINAGE STRUCTURES ARE CONSTRUCTED PER THE PLANS PRIOR TO REQUESTING FINAL AS-BUILT SURVEY FROM SURVEYOR.

NOTE:
WALL DRAINS TO CONNECT TO STORM DRAIN CLEAN OUTS AT THE END OF EACH SEAT WALL.



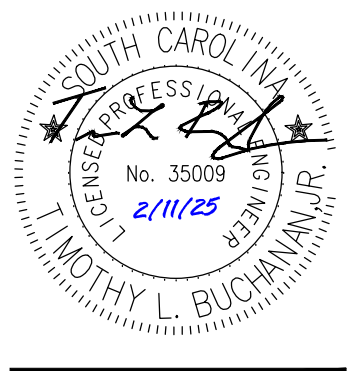
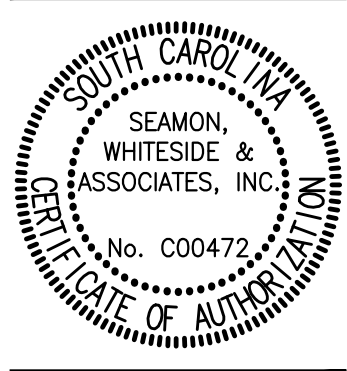
501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29564 | JUSORCH MULLS BUILDING PROCESS, 374 EASLEY DRIVE, SUITE 600 | GREENVILLE, SC 29611 | 270 PETERSBORO | CHARLOTTE, NC 28217 | 701 S. GERRARD STREET | SPARTANBURG, SC 29303
 501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29564 | JUSORCH MULLS BUILDING PROCESS, 374 EASLEY DRIVE, SUITE 600 | GREENVILLE, SC 29611 | 270 PETERSBORO | CHARLOTTE, NC 28217 | 701 S. GERRARD STREET | SPARTANBURG, SC 29303
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- IRRIGATION SIZING NOTE:**
 THE IRRIGATION DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH GREENVILLE WATER.
- WATER TAP NOTE:**
 CONTRACTOR IS TO COORDINATE FIRE, DOMESTIC AND IRRIGATION SERVICE LINE, TAP, AND METER INSTALLATION WITH GREENVILLE WATER.
- FIRE SERVICE LINE BACK FLOW PREVENTER NOTE:**
 CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF A GREENVILLE WATER APPROVED 6" DOUBLE CHECK DETECTOR ASSEMBLY BACK FLOW PREVENTER WITH STORE FIRE DEPARTMENT CONNECTION (FDC) AT VAULT. CONTRACTOR TO COORDINATE WITH GREENVILLE WATER.
- TAP AND CAPACITY FEES NOTE:**
 OWNER IS RESPONSIBLE FOR ALL TAP AND CAPACITY FEES REQUIRED BY LOCAL UTILITY PROVIDERS FOR THE INSTALLATION OF ALL WATER AND SEWER LINES. CONTRACTOR IS TO COORDINATE WITH OWNER AND LOCAL UTILITY PROVIDERS PRIOR TO STARTING WORK.
- STATE FIRE MARSHAL NOTES:**
- VALVES CONTROLLING THE WATER TO THE FIRE SPRINKLER SYSTEM (INCLUDING PIVS AND VALVES IN THE BACKFLOW PREVENTER VAULT) MUST BE ELECTRONICALLY SUPERVISED IN ACCORDANCE WITH 2018 IBC 903.4. LOCKS ALONE ARE NOT EQUIVALENT.
 - PER 2019 NFPA 24.5.4.2, THE BACKFLOW PREVENTER DEVICE MUST BE LISTED FOR FIRE PROTECTION SERVICE. CONTRACTOR TO DEMONSTRATE COMPLIANCE.
- POWER AND GAS NOTE:**
 UNDERGROUND POWER AND GAS LINES ARE SHOWN FOR COORDINATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH LOCAL PROVIDER FOR INSTALLATION OF SERVICES.
- ENCROACHMENT NOTE:**
 CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL COUNTY ENCROACHMENT PERMITS.
- CLEANOUT NOTE:**
 ALL CLEANOUTS TO BE FLUSH WITH FINISHED GRADE.
- WATERLINE NOTE:**
- INSTALL THRUST BLOCKS AT ALL WATERLINE BENDS/TEES.
 - CONTRACTOR TO MAINTAIN 4 FEET OF COVER OVER WATERLINES.
- UTILITY NOTE:**
- IN ACCORDANCE WITH NFPA 24 10.4 THE DEPTH OF COVER FOR FIRE SERVICE MAINS SHALL BE NOT LESS THAN 30" BELOW GRADE TO PREVENT MECHANICAL DAMAGE. IN ADDITION, FIRE SERVICE MAINS INSTALLED UNDER DRIVEWAYS OR ROADWAYS SHALL BE BURIED AT A MINIMUM DEPTH OF 36".
 - FIRE LINE TO TERMINATE 1' ABOVE FINISHED FLOOR.
 - CENTER OF ALL FIRE HYDRANT HOSE OUTLETS TO BE NO LESS THAN 18" NOR MORE THAN 36" ABOVE FINAL GRADE.
 - BEFORE ANY WORK IS PERFORMED TO REWA INFRASTRUCTURE, REWA'S ENGINEERING DEPARTMENT MUST BE CONTACTED AT DEVELOPMENT@RE-WA.ORG WITH 72-HRS IN ORDER TO SCHEDULE PRE-CONSTRUCTION CONFERENCE.
 - REWA MUST MAINTAIN ACCESS TO THE GRAVITY SEWER ON BOTH ENDS OF THE PROPERTY.
 - CONTRACTOR TO COORDINATE WITH REWA ON BYPASS PUMPING REQUIREMENTS.



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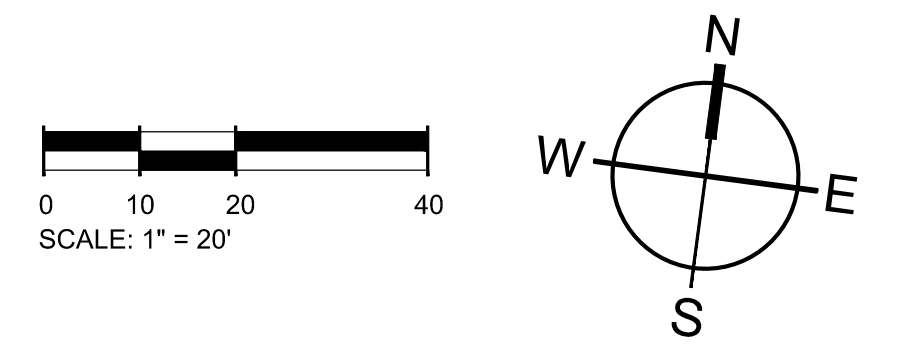
SENECA AMPHITHEATER
 CITY OF SENECA, SOUTH CAROLINA

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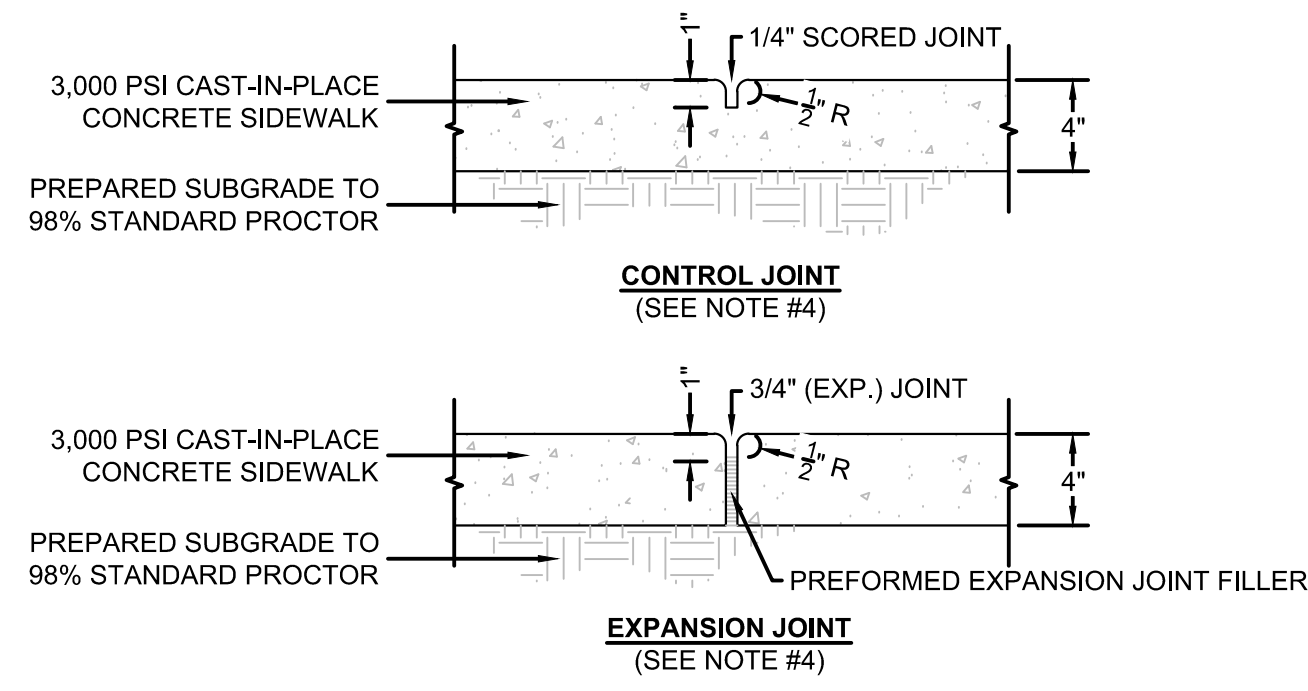
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UTILITY PLAN

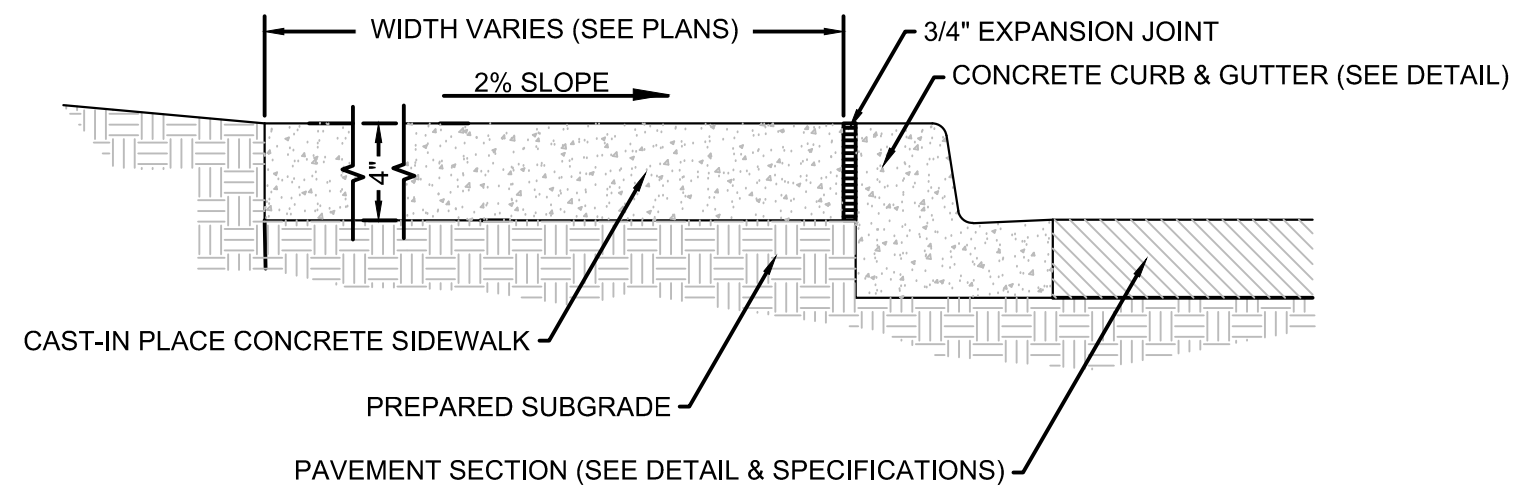


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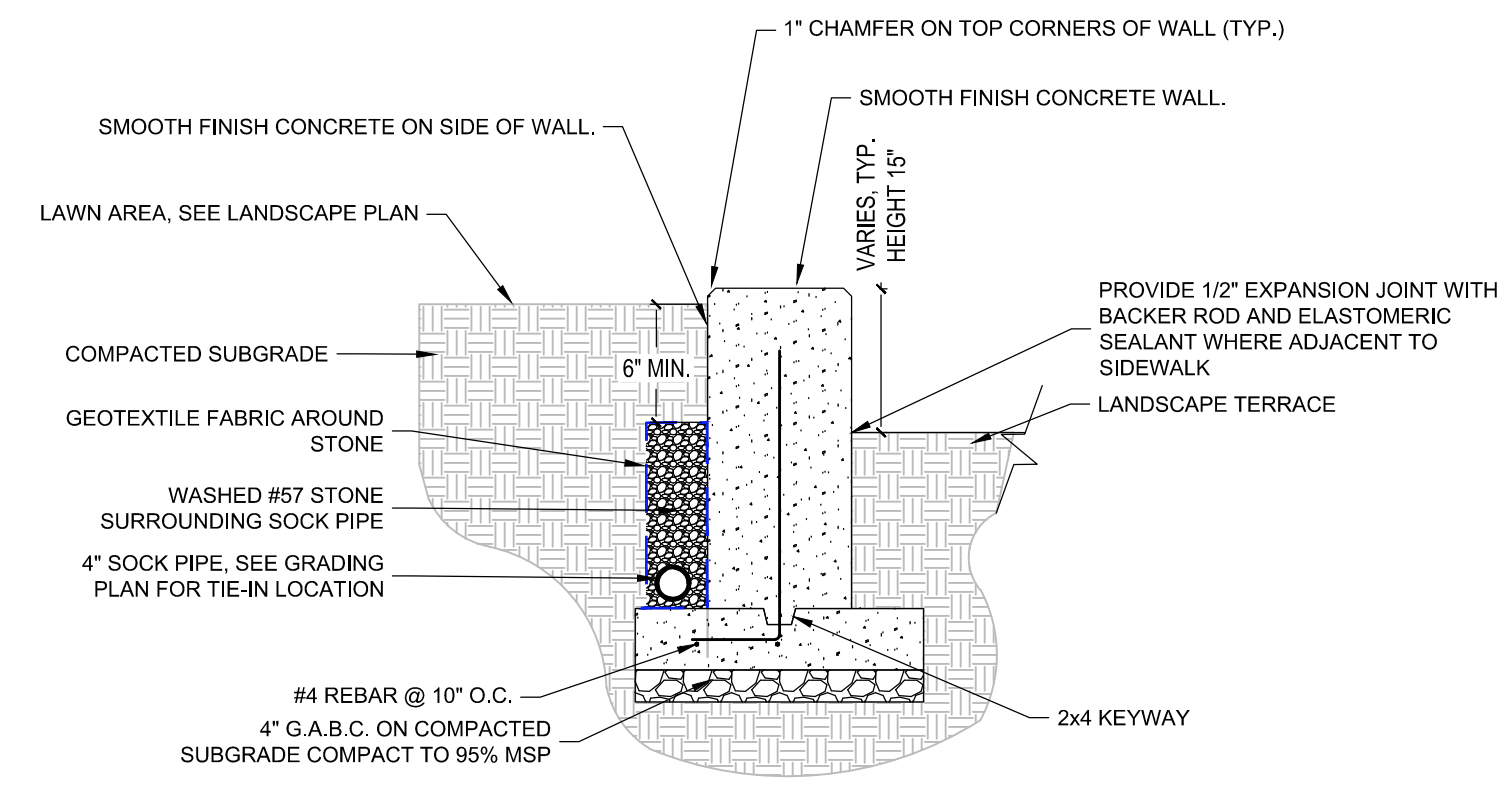
- NOTES:**
1. SIDEWALK CROSS SLOPE NOT TO EXCEED 2%.
 2. SIDEWALK TO HAVE LIGHT BROOM FINISH, PERPENDICULAR TO DIRECTION OF TRAVEL.
 3. SEE PLAN FOR SIDEWALK WIDTH.
 4. UNLESS OTHERWISE SHOWN ON DRAWINGS, SPACE CONTROL JOINTS AT TWICE THE SIDEWALK WIDTH, NOT TO EXCEED 10'. SPACE EXPANSION JOINTS TO COINCIDE WITH CONTROL JOINTS, NOT TO EXCEED 30'. WHERE CURB IS ADJACENT TO CONCRETE WALK, JOINTS SHALL COINCIDE. SEE SPECIFICATIONS FOR ADDITIONAL INFO.
 5. PLACE EXPANSION JOINTS BETWEEN THE SIDEWALK EDGE AND THE BACK OF CURB WHEN ALONG A RADIUS LESS THAN 100'

1 Concrete Sidewalk Detail
SCALE: NOT TO SCALE



- NOTES:**
1. SEE SIDEWALK SECTION DETAIL FOR CONTROL AND EXPANSION JOINT INFORMATION.
 2. SIDEWALK JOINTS SHALL COINCIDE WITH CURB JOINTS UNLESS OTHERWISE NOTED.
 3. SIDEWALK TO HAVE LIGHT BROOM FINISH, PERPENDICULAR TO DIRECTION OF TRAVEL.

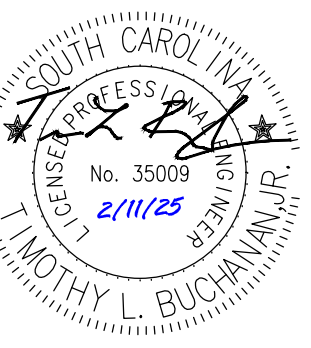
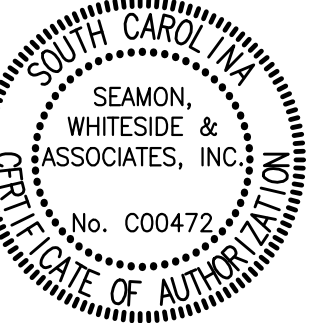
2 Concrete Sidewalk Adjacent to Curb
SCALE: NOT TO SCALE



3 Concrete Seat Wall
NTS



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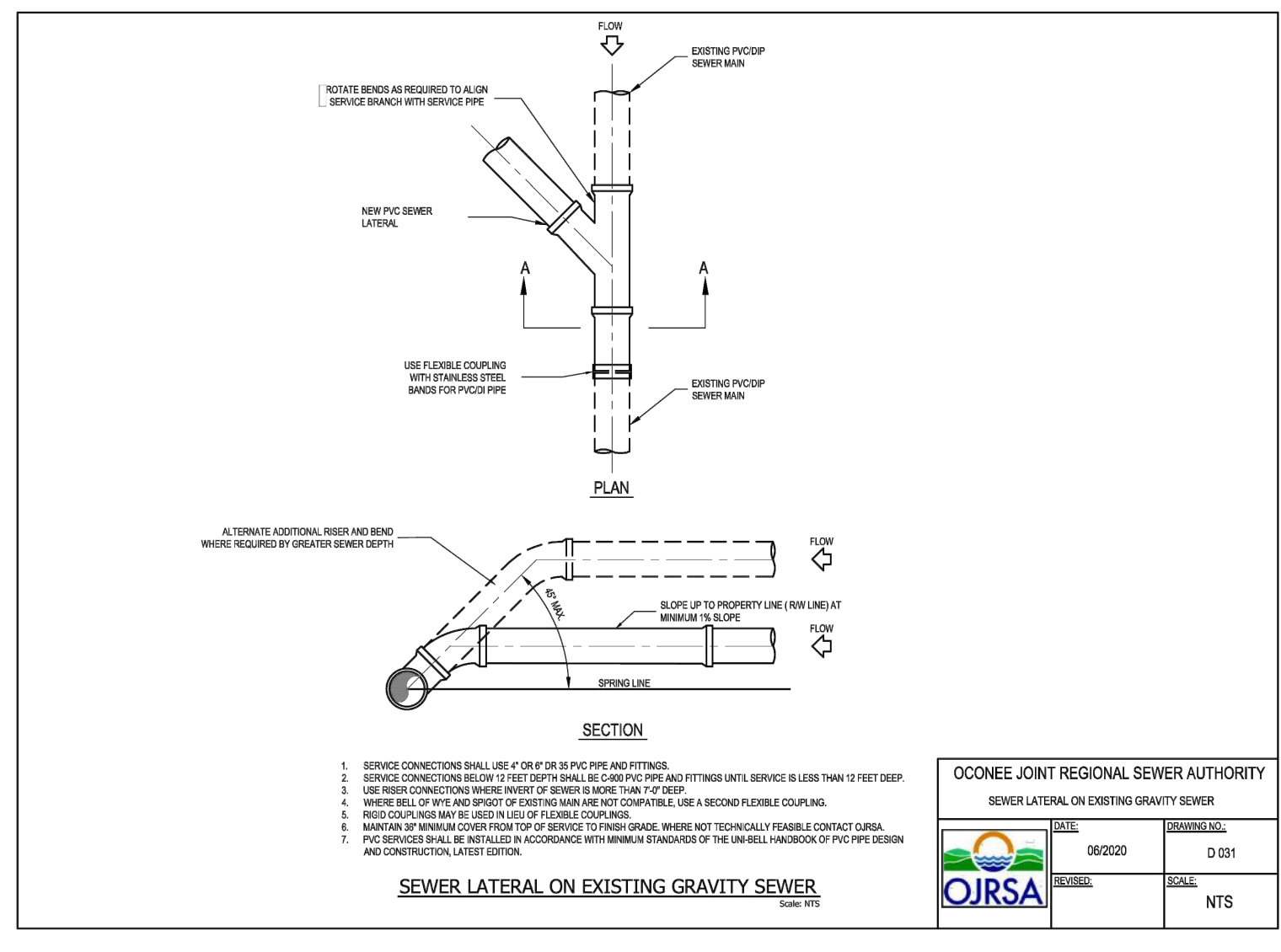
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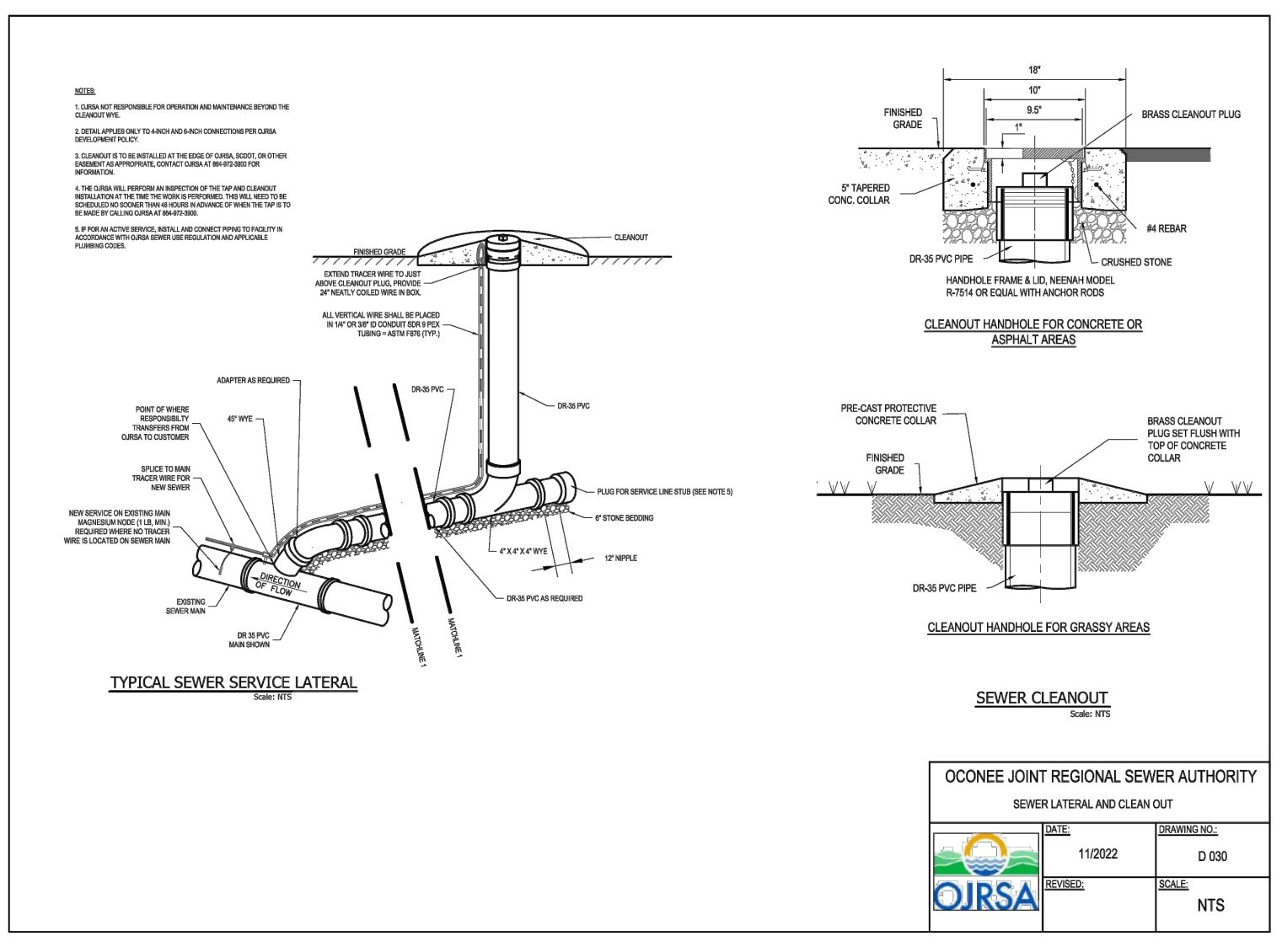
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2	ISSUE FOR BID	02/07/2025

SITE DETAILS

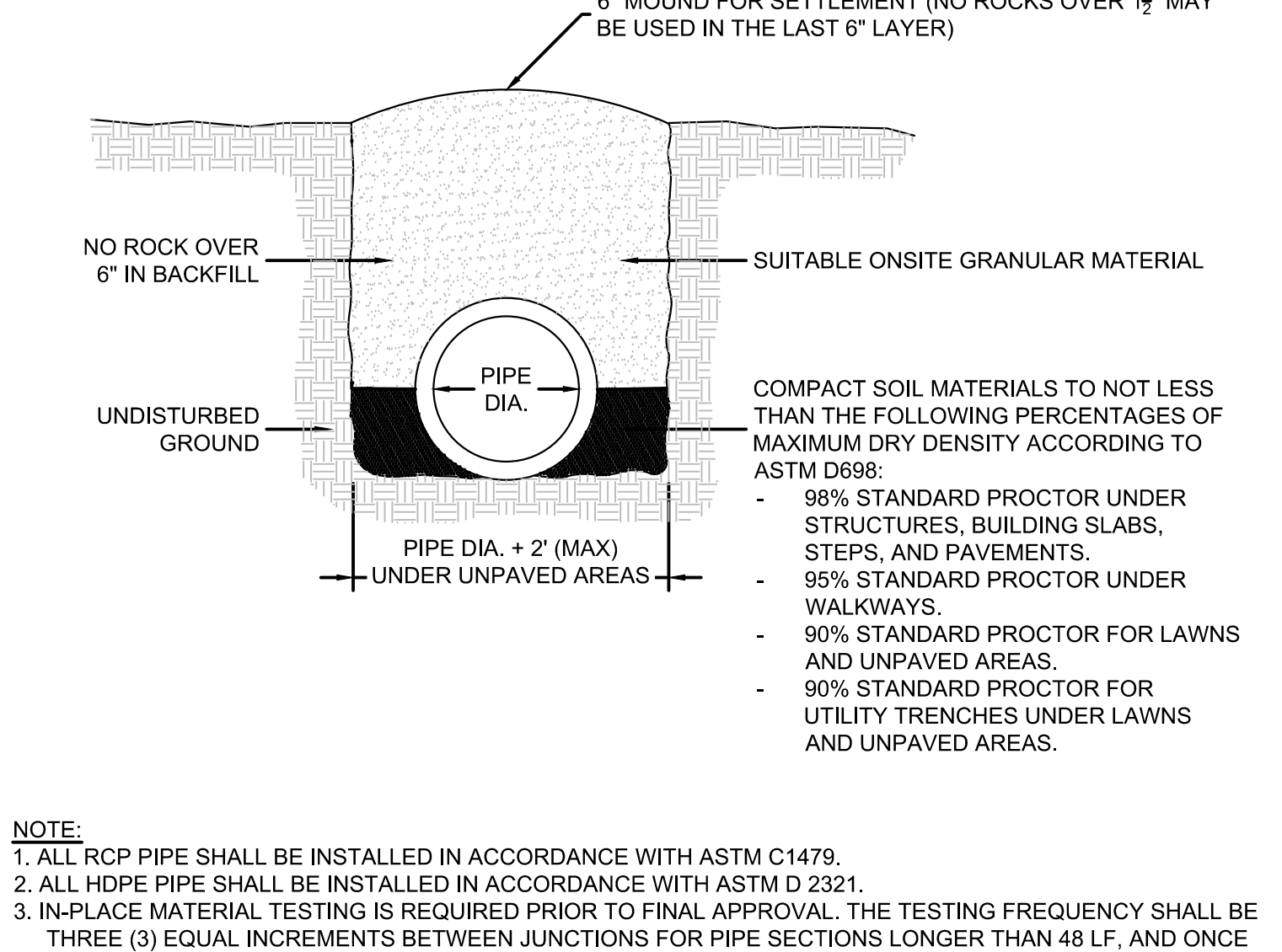
501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29566 | 803.333.1111 | WWW.SWWHITESIDE.COM



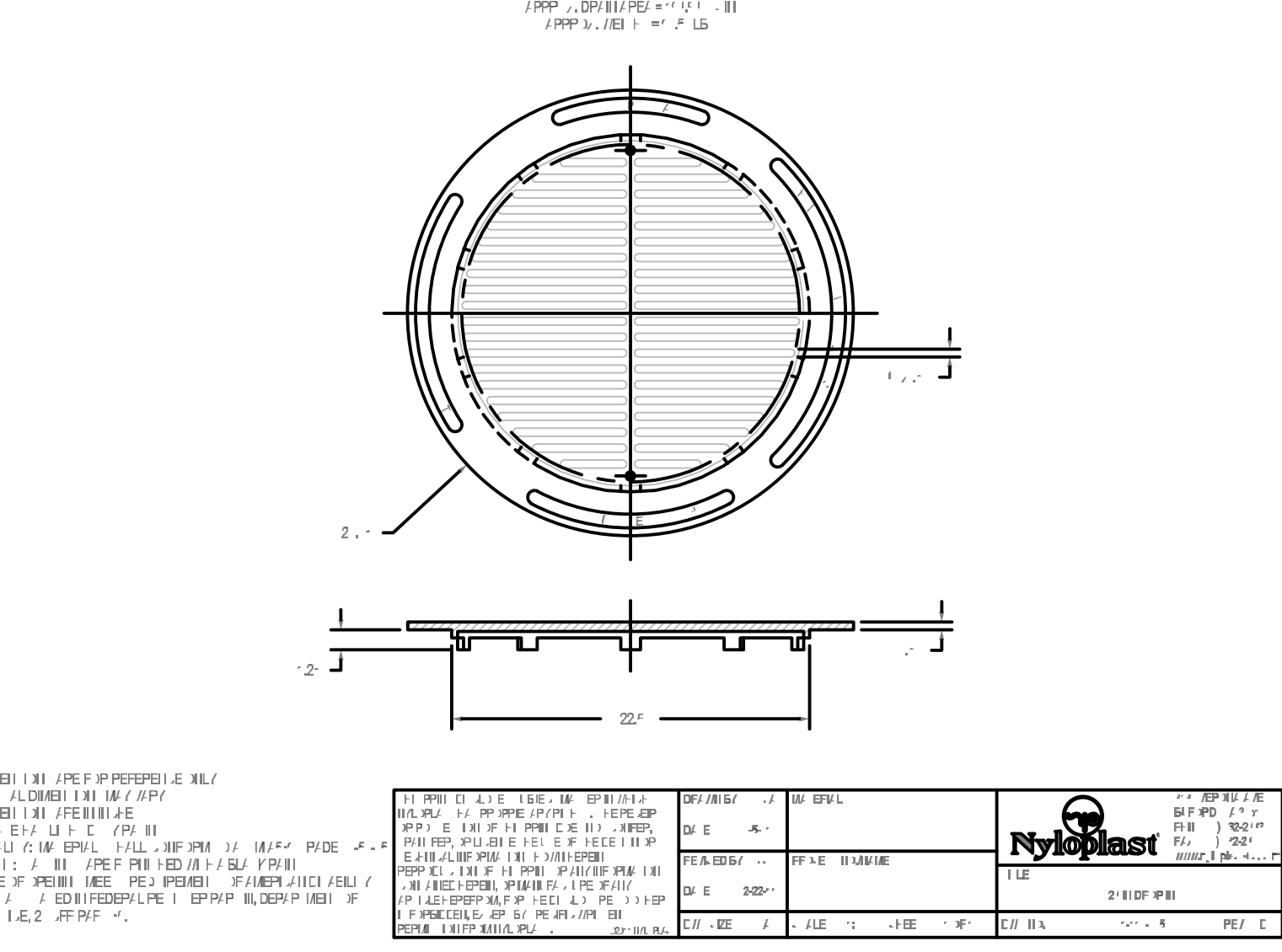
1 Sewer Lateral on Existing Gravity Sewer
SCALE: NOT TO SCALE



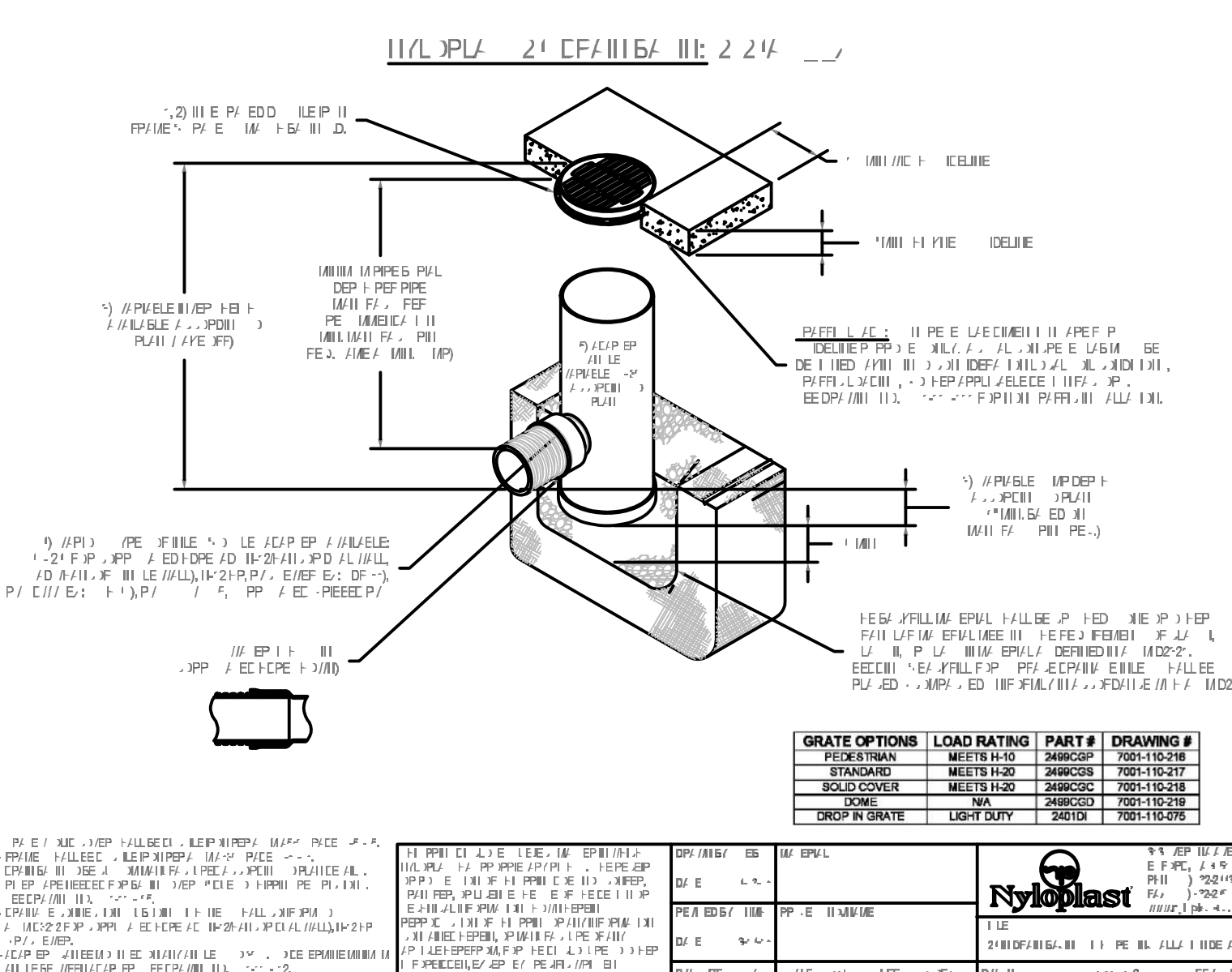
2 Sewer Lateral & Clean Out
SCALE: NOT TO SCALE



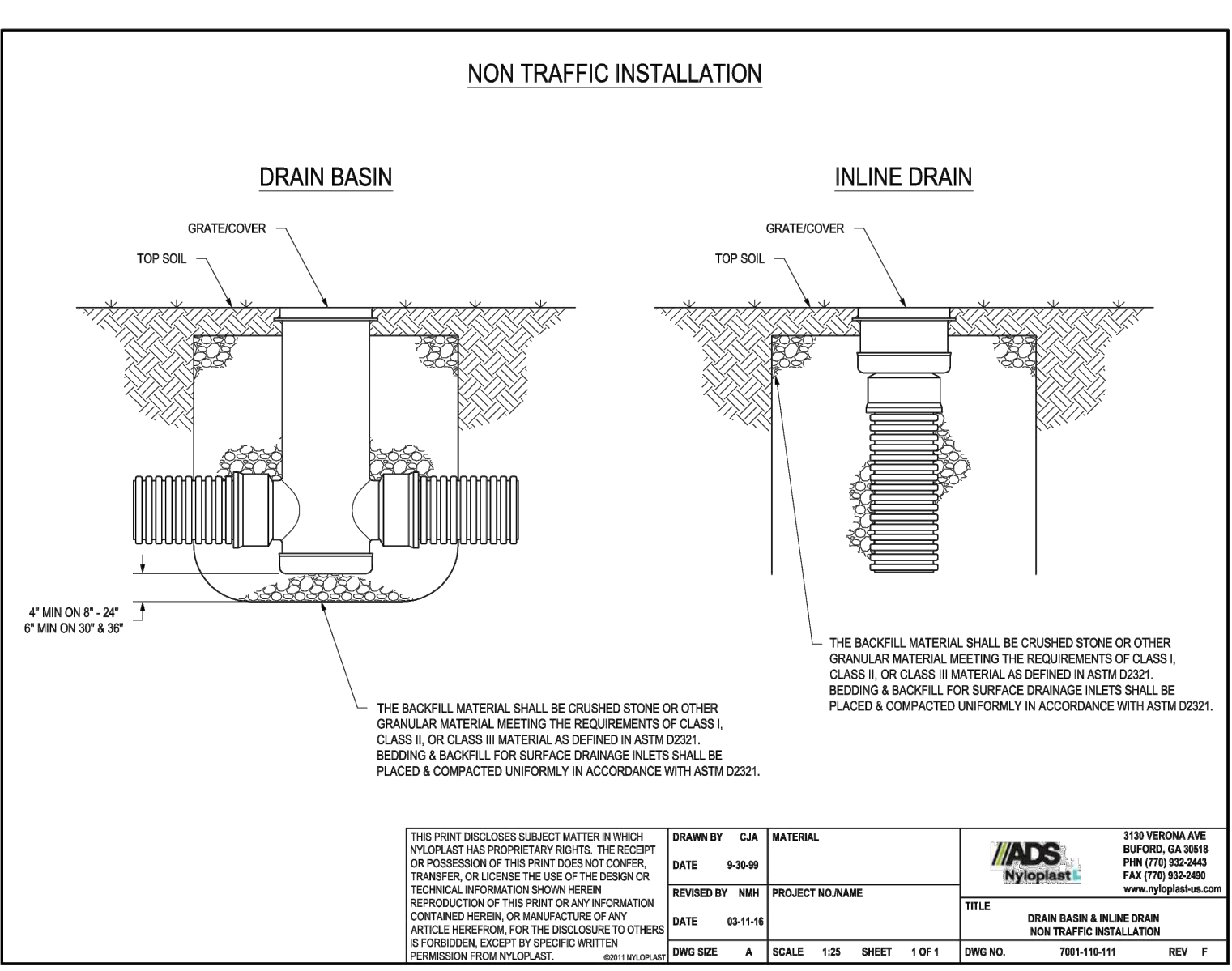
3 Storm Drainage Pipe Bedding and Trenching
SCALE: NOT TO SCALE



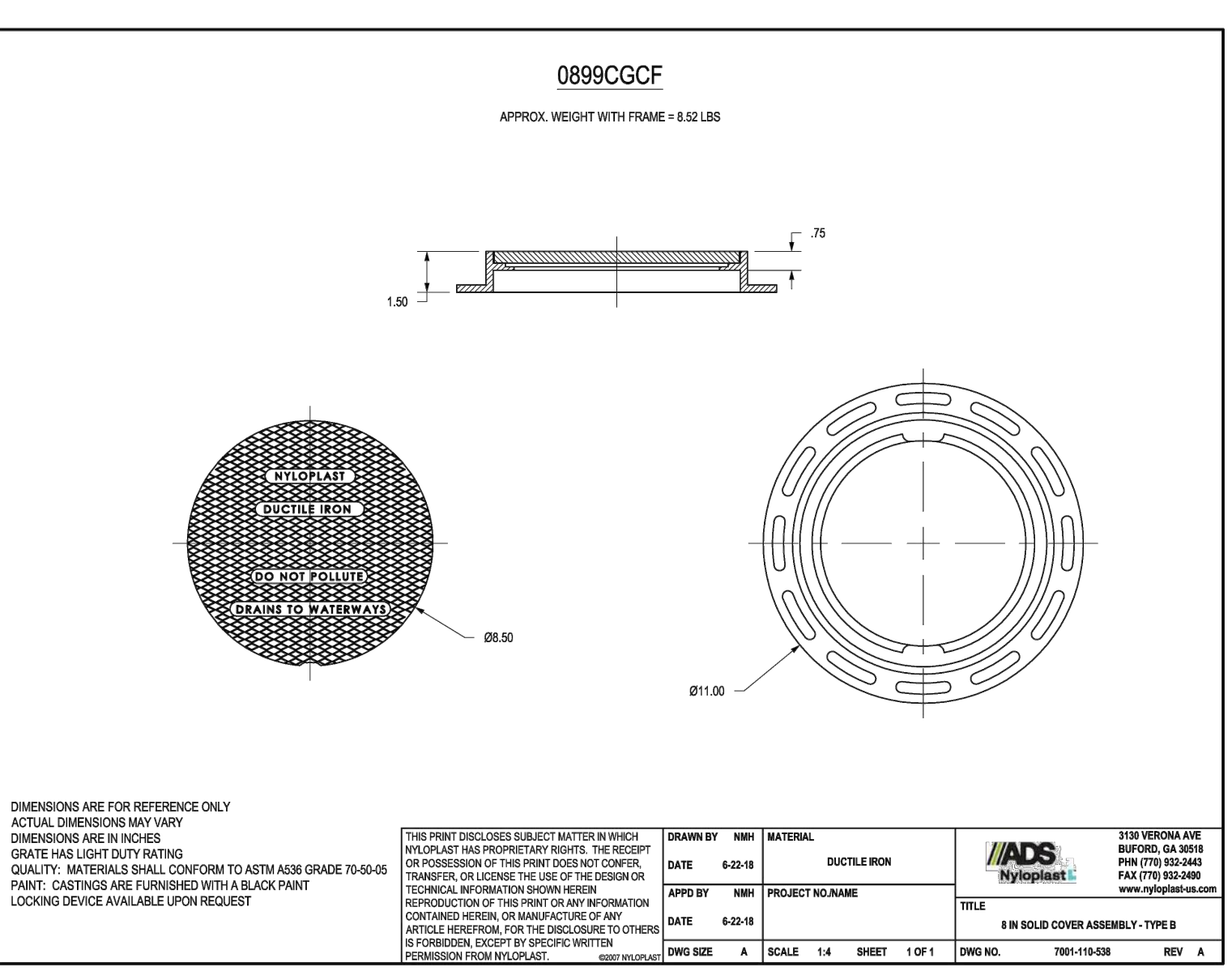
4 24" Nyloplast Drop Grate
SCALE: NOT TO SCALE



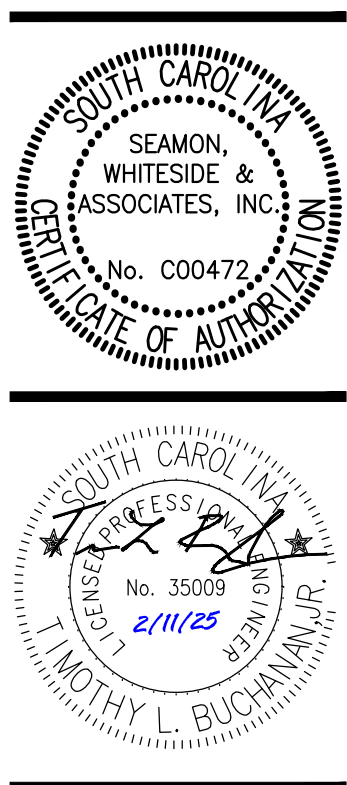
5 24" Drain Basin
SCALE: NOT TO SCALE



6 ADS Inline Drain Cleanout
SCALE: NOT TO SCALE



7 8" DRAIN COVER
SCALE: NOT TO SCALE



SW+ PROJECT: 10646
DATE: 05/22/24
DRAWN BY: WDM
CHECKED BY: NM

REVISION HISTORY

1	IFC SET	10/22/2024
2	ISSUE FOR BID	02/07/2025

GRADING & UTILITY DETAILS

GENERAL

- A. USE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, CIVIL AND SHOP DRAWINGS.
B. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS AND LATEST ADDENDA, AS WELL AS SUBMITTING TO ALL SUBCONTRACTORS AND SUPPLIERS PRIOR TO SUBMITTING SHOP DRAWINGS.
C. DO NOT SCALE DRAWINGS OR AUTO-DIMENSION ELECTRONIC FILES. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES IN WRITING PRIOR TO CONSTRUCTION.

DESIGN CRITERIA

- A. STRUCTURAL DRAWINGS ARE BASED ON THE REQUIREMENTS OF THE 2021 INTERNATIONAL BUILDING CODE, 2021 SOUTH CAROLINA BUILDING CODE AND THE REFERENCED SECTIONS WITHIN.
B. DEAD LOADS:
1. ROOF SYSTEMS: (15 PSF TOTAL)
a. MECHANICAL AND LIGHTING 10 PSF
b. FINISHES 5 PSF

Table with columns: CATEGORY, UNIFORM LOAD (PSF), CONCENTRATED LOAD (LBS). Includes rows for ROOF, FLOOR, and WALLS.

- D. DESIGN SNOW LOADS:
1. GROUND SNOW LOAD: P_g 10 PSF
2. FLAT ROOF SNOW LOAD: P_f 12.5 PSF
3. SLOPED ROOF SNOW LOAD: P_s 7.5 PSF
4. SNOW EXPOSURE FACTOR: C_e 0.8
5. SNOW THERMAL FACTOR: C_t 1.2
6. SLOPE FACTOR: C_d 1.0
7. RAIN ON SNOW SURCHARGE: S 5 PSF

Table: Ultimate Design Wind Pressure (psf). Columns: Walls (Interior, Edge), Roof (Interior, Edge, Corner), Overhang (Edge, Corner). Rows: Wind direction (+, -) and wind speed (10, 20, 50, 100, 200, 500).

- F. SEISMIC LOADS:
1. RISK CATEGORY: II
2. SEISMIC IMPORTANCE FACTOR: I_e 1.0
3. SHORT PERIOD SPECTRAL RESPONSE ACCELERATION: S_s 0.373 g
4. 1-SEC PERIOD SPECTRAL RESPONSE ACCELERATION: S₁ 0.102 g
5. SITE CLASS: R
6. SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: S_{DS} 0.373 g
7. 1-SEC PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: S_{1D} 0.163 g
8. SEISMIC DESIGN CATEGORY: C
9. BASIC SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS.

FOUNDATIONS

- A. FOUNDATIONS HAVE BEEN DESIGNED USING A NET GROSS SOIL BEARING PRESSURE OF 1,500 PSF. AN ALLOWABLE BEARING CAPACITY OF 5,000 PSF HAS BEEN ASSUMED AND MUST BE CONFIRMED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
B. ALL SOILS WORK, INCLUDING BACKFILL OF UTILITY TRENCHES AND THE VERIFICATION OF BEARING CAPACITY MUST BE UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER.
C. ALL FOUNDATIONS BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON PLANS AND DETAILS. COORDINATE FINAL TOP OF FOOTING ELEVATIONS WITH THE ARCHITECTURAL, ELEVATIONS, MEP DRAWINGS, AND CIVIL GRADING PLANS PRIOR TO PLACEMENT. FOUNDATION STEPS INDICATED ARE APPROXIMATE, UNLESS NOTED OTHERWISE, AND MUST BE FIELD COORDINATED. THE BOTTOM OF EXTERIOR FOUNDATION ELEVATIONS MUST BE BELOW THE FROST DEPTH ELEVATION 14" MEASURED FROM EXTERIOR FINISHED GRADE.

CONCRETE

- A. CONCRETE MUST CONFORM TO THE CONCRETE PROPERTIES SPECIFIED IN THE CONCRETE PROPERTIES TABLE.
B. CONCRETE MUST HAVE ALLOWABLE UNIT SHRINKAGE OF 0.045% AT 28 DAYS (SEE ASTM C157).
C. SLABS TO RECEIVE MOISTURE SENSITIVE FLOOR COVERINGS MUST HAVE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO OF 0.45.
D. CONCRETE CONSTRUCTION MUST CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
E. ALL CONCRETE PLACEMENT SHALL ADHERE TO APPLICABLE SECTIONS OF ACI 305 AND ACI 308 FOR HOT WEATHER/COLD WEATHER CONCRETE PLACEMENT.
F. MASS CONCRETE:
1. MASS CONCRETE IS DEFINED AS ANY ELEMENT WITH A LEAST HORIZONTAL DIMENSION OF 5'-0" OR GREATER. MASS CONCRETE MUST BE CONSTRUCTED BY THE PRINCIPLES AND PRACTICES OF ACI 207.1R AND CONFORM TO THE REQUIREMENTS OF ACI 301, SECTION 8 FOR MASS CONCRETE.
2. MAXIMUM CONCRETE TEMPERATURE CURBED MUST NOT EXCEED 160 DEGREES FAHRENHEIT.
3. MAXIMUM DIFFERENTIAL TEMPERATURE BETWEEN CONCRETE CORE AND CONCRETE SURFACE DURING CURING MUST NOT EXCEED 50 DEGREES FAHRENHEIT.
4. CONCRETE SUPPLIER MUST PROVIDE THERMAL MODELING OF MIX DESIGNS USED IN MASS CONCRETE APPLICATIONS SHOWING SPECIFIED TEMPERATURE LIMITS WILL NOT BE EXCEEDED AND PROVIDE A TEMPERATURE CONTROL PLAN FOR CONSTRUCTION.
5. USE TYPE I CEMENT AND/OR FLY ASH UP TO 50% OF THE CEMENTITIOUS MATERIAL CONTENT TO MINIMIZE THE HEAT OF HYDRATION.
6. PLACE CONCRETE IN LAYERS NOT MORE THAN 24" THICK.
G. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING SPECIFICATIONS:
1. PORTLAND CEMENT: ASTM C150, TYPE I OR II
2. AGGREGATE (NORMAL WEIGHT): ASTM C33
3. WELDED WIRE REINFORCING: ASTM A496 (75 KSI)
4. WELDED WIRE REINFORCEMENT (WWR): ASTM A706 GRADE 60
5. SMOOTH WIRE: ASTM A1064 (65 KSI)
6. DEFORMED WIRE: ASTM A1064 (70 KSI)
7. POLYPROPYLENE FIBRILLATED FIBER MAY BE USED TO SUBSTITUTE WWR IN SLABS ON GRADE WHEN ADDED TO CONCRETE MIX ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDED DOSAGES.
8. STEEL AND POLYPROPYLENE FIBER BLEND MAY BE USED TO SUBSTITUTE WWR IN SLABS ON COMPOSITE DECK WHEN ADDED TO CONCRETE MIX IN ACCORDANCE WITH THE LATEST VERSION OF THE SPECIFICATION FOR COMPOSITE STEEL FLOOR DECK (ANSI/SDI C) BY THE STEEL DECK INSTITUTE (STEEL FIBERS HAVE 80 PSI RESIDUAL STRENGTH WHEN TESTED IN ACCORDANCE WITH ASTM C 1399).
9. SPECIAL STRUCTURAL WALLS: ASTM A706 GRADE 60
I. REINFORCEMENT DETAILING:
1. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI 318.
2. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS NOTED OTHERWISE. REFER TO THE REINFORCING BAR LAP LENGTH SCHEDULE ON THE TYPICAL DETAIL SHEETS.
3. PLACE WWR 2" CLEAR FROM EACH REINFORCEMENT OTHERWISE, LAP WWR ONE CROSSWIRE SPACING PLUS 2".
4. INSTALL CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS, EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING.
5. INSTALL AND SECURE REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT, PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING ACI 318 SECTION 7.7 AND IBC TABLE 720.1, UNLESS SPECIFICALLY NOTED OTHERWISE:
a. CAST AGAINST EARTH: #6 THRU #18 2"
b. EXPOSED TO EARTH/WEATHER: #6 & SMALLER 1 1/2"
c. EXPOSED TO EARTH/WEATHER: #8 & LARGER 1 1/2"
d. SLABS, WALLS, JOISTS: #11 & SMALLER 3/4"
e. SLABS, WALLS, JOISTS: #8 & LARGER 1 1/2"
f. BEAMS, COLUMNS: #6 & SMALLER 3/4"
g. SHELLS FOLDED PLATE MEMBERS: #6 & LARGER 1 1/2"
h. SHELLS FOLDED PLATE MEMBERS: #8 & SMALLER 3/4"
6. INSTALL DOWELS TO MATCH REINFORCEMENT SCHEDULE INDICATED, UNLESS NOTED OTHERWISE.
J. CAST FOUNDATION WALLS, GRADE BEAMS, AND FOOTINGS IN ALTERNATE PANELS NOT TO EXCEED 60'-0" IN LENGTH. INSTALL SHEAR KEYS AT EACH CONSTRUCTION JOINT AND LOCATED AT 1/3 POINTS OF SPANS.
K. TEMPORARILY BRACE WALLS AGAINST EARTH OR OTHER FORCES UNTIL FLOOR SLABS AND PERMANENT SUPPORTS ARE IN PLACE AND HAVE ATTAINED REQUIRED STRENGTHS.
L. DO NOT USE HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS UNLESS SHOWN ON THE DRAWINGS. THE ENGINEER MUST APPROVE ALL DEVIATIONS OR SUBSTITUTIONS.
M. CAST SLABS AND BEAMS/JOISTS MONOLITHICALLY UNLESS NOTED OTHERWISE.
N. CHAMFER ALL PERMANENTLY EXPOSED CONCRETE EDGES 3/4" INCH, UNLESS NOTED OTHERWISE.
O. REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS AND SUPPORTED FLOORS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE INDICATED. DO NOT CUT REINFORCEMENT.
P. SLIP CONCRETE SLABS TO FLOOR DRAINS SHOWN ON MECHANICAL, PLUMBING, CIVIL, AND ARCHITECTURAL DRAWINGS.
Q. BOND NEW CONCRETE TO HARDENED CONCRETE WITH A STRUCTURAL ADHESIVE BONDING AGENT PER THE SPECIFICATIONS. INSTALL PER THE MANUFACTURER'S INSTRUCTIONS.
R. NO HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
S. DO NOT EMBED ALUMINUM IN CONCRETE.

CONCRETE PROPERTIES

Table: CONCRETE PROPERTIES. Columns: USAGE, STRENGTH (PSI), TYPE, COMMENTS, DURABILITY CLASSIFICATION. Rows: FOOTINGS, FOUNDATION WALLS, SLAB-ON-GRADE EXTERIOR, SLAB-ON-GRADE INTERIOR.

- CONCRETE PROPERTIES TABLE NOTES:
1. MINIMUM STRENGTH AND MAXIMUM DENSITY MEASURED AT 28 DAYS.
2. NWT = NORMAL WEIGHT CONCRETE
3. DURABILITY CLASSIFICATION INDICATES CONCRETE REQUIREMENTS BY EXPOSURE CLASS. REFER TO TABLE 19.3.2.1 OF ACI 318.

STRUCTURAL STEEL

- A. HOT ROLLED STEEL BARS, PLATES, SHAPES, AND SHEET PILING MUST BE NEW STEEL CONFORMING TO ASTM A6. FABRICATE AND INSTALL STEEL IN ACCORDANCE WITH AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
B. STRUCTURAL STEEL IS AS FOLLOWS, UNLESS NOTED OTHERWISE:
1. WIDE FLANGE AND WT-SHAPES: ASTM A992, F_y = 50 KSI
2. STEEL PIPE: ASTM A513, GRADE B, F_y = 35 KSI
3. RECTANGULAR AND SQUARE HSS: ASTM A500, GRADE C, F_y = 50 KSI
4. ROUND HSS: ASTM A500, GRADE C, F_y = 50 KSI
5. ALL OTHER STRUCTURAL STEEL: ASTM A36, F_y = 36 KSI
6. ANCHOR RODS: ASTM F1554, GRADE 36
7. THREADED RODS: ASTM A38 ASTM A598 (CORROSION RESISTANT)
8. STIFFENER PLATES AND DOUBLER PLATES: ASTM A572, GRADE 50
9. ASTM A572 GRADE 50 IS ACCEPTABLE AS A SUBSTITUTE FOR A992.
C. CENTER COLUMNS AND BEAMS ON GRID LINES UNLESS NOTED OTHERWISE.
D. CONNECTIONS: STEEL CONNECTIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REFERENCED DESIGN CRITERIA.
E. BOLT CONNECTIONS (UNLESS OTHERWISE NOTED OR REQUIRED):
1. BOLTS: ASTM F1554, GRADE A325
2. WASHERS: ASTM F436, TYPE 1
3. NUTS: ASTM A563, GRADE DH
4. CONNECT A MINIMUM OF ONE-HALF (1/2) THE THICKNESS OF THE MEMBER.
5. UNLESS NOTED OTHERWISE, BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION IN LIEU OF PRETENSIONING, EXCEPT FOR SLIP CRITICAL CONNECTIONS WHICH ARE PRETENSIONED USING CLASS A CONTACT SURFACES. USE SLIP CRITICAL CONNECTIONS FOR ALL BOLTED MOMENT CONNECTIONS AND BRACE CONNECTIONS. USE BEARING CONNECTIONS WITH THREADS INCLUDED FOR ALL OTHER CONNECTIONS.
6. PRETENSION ANCHOR RODS AT LATERAL-FORCE-RESISTING-SYSTEM COLUMNS (BRACED FRAMES, MOMENT FRAMES, ETC.) CENTER BOLT IN SLOTTED HOLES.
F. WELD CONNECTIONS (UNLESS NOTED OTHERWISE):
1. WELDING IN ACCORDANCE WITH AWS D11.1, "STRUCTURAL WELDING CODE - STEEL".
2. USE E70XX (SMAW), F7XX-EXXX (SMAW), OR F7XX-X (FCM) ELECTRODES FOR WELDING, UNLESS NOTED OTHERWISE. USE E80XX (SMAW), F8XX-EXXX-XX (SAW), ER80S-XXX (SMAW), OR EXXX-X (FCM) ELECTRODES FOR GRADE 60 OR GRADE 65 MATERIAL.
3. SHOW ALL FIELD WELDS REQUIRED ON ERECTION DRAWINGS.
4. USE CONTINUOUS 1/4" FILLET WELDS UNLESS NOTED OTHERWISE.
G. BEAR STEEL BEAMS ON MASONRY AND CONCRETE A MINIMUM OF 8 INCHES, UNLESS NOTED OTHERWISE.
H. CUTS INDICATED ON THE DRAWINGS OR AS REQUIRED FOR OTHER TRADES, MUST BE MADE IN THE SHOP AND SHOWN ON THE SHOP DRAWINGS. FIELD PERFORMED HOLES OR CUTS ARE NOT PERMITTED WITHOUT ENGINEER APPROVAL.
I. INSTALL NONMETALLIC SHRINKAGE-RESISTANT GROUT BELOW BASE PLATES, IN ACCORDANCE WITH ASTM C1107 AND A MINIMUM STRENGTH OF 4,000 PSI.
J. FABRICATE STRUCTURAL STEEL WITH ONE COAT OF SHOP PRIMER EXCEPT THE FOLLOWING MEMBERS: GALVANIZED SURFACES, SLIP-CRITICAL SURFACES, SURFACES TO BE FIELD WELDED, SURFACES TO RECEIVE FIRE PROOFING, OR UNLESS NOTED OTHERWISE, COORDINATE AREAS TO BE FIRE PROOFED WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION. GALVANIZED STRUCTURAL STEEL: ASTM A123 OR ASTM A153. GALVANIZE AFTER FABRICATION. GALVANIZE ALL EXTERIOR EXPOSED STEEL, UNLESS NOTED OTHERWISE. REPAIR DAMAGED GALVANIZED COATINGS IN ACCORDANCE WITH ASTM A780.
L. UNLESS NOTED OTHERWISE, THE TOP OF ALL STEEL COLUMNS ARE FABRICATED WITH A STEEL CAP PLATE - MINIMUM CAP PLATE DIMENSIONS MATCH COLUMN WIDTH AND DEPTH, AND MINIMUM THICKNESS OF CAP PLATE EQUALS COLUMN WEB THICKNESS (1/2" MINIMUM).
M. COORDINATE THE EXACT LOCATION AND SIZE OF ALL OPENINGS FOR MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION.
N. REFERENCE THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL STEEL (IF ANY) NOT INDICATED ON THE STRUCTURAL DRAWINGS.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS)

- A. STEEL SPECIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) MUST MEET THE STRUCTURAL STEEL REQUIREMENTS, AS WELL AS THOSE DESCRIBED BELOW. REFERENCE THE ARCHITECTURAL DRAWINGS AND AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" FOR OTHER AESS REQUIREMENTS.
B. COMPLY WITH AISC 303, SECTION 10 FOR AESS, INCLUDING BUT NOT LIMITED TO: MOCK-UPS, SURFACE PREPARATION, WELDS, FABRICATION MARKS, MILL MARKS, SEAMS, TOLERANCES, JOINTS, SURFACE APPEARANCE, FABRICATION, ERECTION, AND OTHER REQUIREMENTS.
C. AESS CATEGORIES (REFERENCE AISC 303, TABLE 10.1): REFERENCE DRAWINGS FOR AESS MEMBER IDENTIFICATION.
1. AESS 1: BASIC ELEMENTS
2. AESS 2: FEATURE ELEMENTS VIEWED AT A DISTANCE GREATER THAN 20 FEET
3. AESS 3: FEATURE ELEMENTS VIEWED AT A DISTANCE LESS THAN 20 FEET
4. AESS 4: SHOWCASE ELEMENTS WITH SPECIAL SURFACE AND EDGE TREATMENT BEYOND FABRICATION
5. AESS C: CUSTOM ELEMENTS WITH SPECIAL SURFACE AND EDGE TREATMENTS INDICATED
D. ALL WELDS AND SHARP EDGES ARE GROUND SMOOTH.
E. SURFACE PREPARATION TO SSPC-SP 6.
F. ALL ERECTION/MILL MARKS (STENCILED, STAMPED, RAISED, ETC.) MUST BE REMOVED OR OMITTED.
G. SURFACES AND SEAMS OF HOLLOW HSS MEMBERS ARE GROUND SMOOTH. OPEN ENDS OF HOLLOW HSS MEMBERS MUST BE SEALED WITH A 3/8" CAP PLATE, UNLESS NOTED OTHERWISE.
H. ALL HSS MEMBER TO MEMBER CONNECTIONS ARE WELDED ALL AROUND AND GROUND SMOOTH.
I. ANY MEMBERS SPECIFIED TO BE ROLLED TO A FINAL CURVED SHAPE ARE FABRICATED IN THE SHOP AND SECURED DURING SHIPPING TO PREVENT STRESS RELIEVING.
J. FABRICATE A MOCKUP TO DEMONSTRATE AESTHETIC COMPONENTS, AS WELL AS QUALITIES OF MATERIALS AND EXECUTION. ARCHITECT REVIEW AND APPROVE MOCKUP A MINIMUM OF FOUR WEEKS PRIOR TO FABRICATION. MOCKUP MUST BE MAINTAINED AT THE PROJECT SITE TO BE USED AS A STANDARD TO JUDGE THE COMPLETED WORK. ARCHITECT OBSERVE THE AESS MEMBERS IN PLACE AND DETERMINE ACCEPTABILITY BASED ON THE APPROVED MOCKUP.

SOLID WOOD DECKING REQUIREMENTS

- A. MATERIAL: TONGUE AND GROOVE 2X6 #2 SOUTHERN YELLOW PINE, WCLB GRADING RULES, S4S, CONTROLLED RANDOM LAYUP, GROOVE SIDE DOWN, INSTALLED NOTED.
B. DESIGN AND INSTALLATION STANDARDS: TONGUE AND GROOVE ROOF DECKING" (COPYRIGHT 2003) BY THE AMERICAN FOREST & PAPER ASSOCIATION, INC. AND THE AMERICAN WOOD COUNCIL.
C. MATERIAL TO BE FURNISHED AND INSTALLED UNLESS OTHERWISE AGREED IN WRITING.
D. FASTEN 2X6 DECKING TO EACH TIMBER RAFTER, PURLIN OR OTHER SUPPORT IN EACH BOARD AT EACH SUPPORT WITH (1) 16D GALVANIZED RING SHANK NAILS.
E. TONGUE AND GROOVE SHALL SPAN MINIMUM OF 2 SPANS.

MASS TIMBER

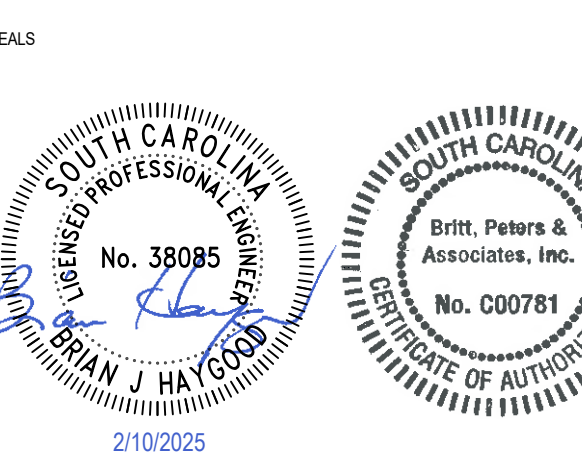
- A. GENERAL:
1. MASS TIMBER FRAMING ELEMENTS FOR THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE BUILDING CODES, AND MATERIAL STANDARDS BELOW.
a. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS).
b. ANSI 117.
c. ANSIA190.1
d. ANSI PRG-320.
2. APPLY BASE TREATMENT COATING TO ALL MASS TIMBER ELEMENTS FOR PROTECTION DURING SHIPMENT AND ERECTION. APPLY TREATMENT COATING TO ALL MASS TIMBER ELEMENTS EXPOSED TO VIEW OR WEATHER FOR ADDITIONAL PROTECTION AGAINST WOOD ROT, WATER INFILTRATION, AND LONG-TERM UV DAMAGE. COORDINATE TREATMENT COMPATIBILITY WITH TIMBER MATERIALS.
3. REFERENCE DESIGN CRITERIA FOR ANTICIPATED SHRINKAGE SCHEDULE.
B. CONNECTORS:
1. EXPOSED CONNECTORS/FASTENERS AND CONNECTORS/FASTENERS USED IN PROXIMITY TO SALTWATER SPRAY ARE MANUFACTURED FROM TYPE 316 STAINLESS STEEL OR HOT DIP GALVANIZED. REPAIR DAMAGED GALVANIZED COATINGS PRIOR TO CONCEALING.
2. BOLTS: ASTM A307, GRADE A WITH ASTM A563, GRADE 4 NUTS. SCREW LENGTHS AND PENETRATIONS INDICATED ARE MINIMUM DIMENSIONS. INSTALL SCREWS PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT ALTERNATE FASTENERS TO THE ENGINEER FOR REVIEW.
3. SCREWS:
a. GLUE-LAMINATED TIMBER (GLULAM):
1. DO NOT USE MATERIALS WITH DEFECTS IMPAIRING THE QUALITY OF SHEATHING OR PIECES TOO SMALL TO USE WITH MINIMUM NUMBER OF JOINTS, LAYOUT PANELS TO SPAN BETWEEN AT LEAST THREE SUPPORT MEMBERS.
2. COORDINATE SHEATHING INSTALLATION WITH FLASHING AND JOINT-SEALANT INSTALLATION SO MATERIALS ARE INSTALLED IN A SEQUENCE AND MANNER PREVENTING EXTERIOR MOISTURE FROM PASSING THROUGH THE COMPLETED ASSEMBLY.
3. DO NOT BRIDGE BUILDING EXPANSION JOINTS.
4. WHERE EITHER 2 INCH OR 1 1/2 INCH FASTENER SPACINGS ARE SPECIFIED TO 2 INCH OR LESS FRAMING MEMBERS, THE FRAMING MEMBER AT ADJOINING PANEL EDGES MUST BE 2 1/2 INCH OR GREATER. STAGGER FASTENERS AT PANEL EDGES IN TWO LINES.
b. ROOF SHEATHING:
1. SPAN RATING: NOT LESS THAN 4020
2. NOMINAL THICKNESS: NOT LESS THAN 5/8 INCH
3. EXPOSURE AND DURABILITY CLASSIFICATION: EXPOSURE 1
4. FASTENING METHOD, UNLESS NOTED OTHERWISE:
a. FASTENERS: 6d RING SHANK NAILS (0.113" x 2")
b. BOUNDARY EDGE SPACING: 4 INCHES OC
c. PANEL EDGE SPACING: 8 INCHES OC
d. FIELD SPACING: 12 INCHES OC
C. FASTENERS:
1. AS A MINIMUM, FASTENING TO COMPLY WITH THE "FASTENING SCHEDULE" OF THE REFERENCED BUILDING CODE AND THE ICC-ES EVALUATION REPORT FOR FASTENERS.
2. USE STEEL COMMON NAILS INTO WOOD FRAMING AND SCREWS INTO COLD-FORMED STEEL FRAMING, UNLESS NOTED OTHERWISE.
3. NAILS, BRADS, AND STAPLES: ASTM F1667.
4. SCREWS FOR FASTENING SHEATHING TO WOOD FRAMING: ASTM C1002.
5. SCREWS FOR FASTENING SHEATHING TO COLD-FORMED STEEL FRAMING: ASTM C954, EXCEPT WITH WAFER HEADS (MINIMUM HEAD DIA=0.333 INCHES) AND REAMER WINGS. LENGTH AS RECOMMENDED BY SCREW MANUFACTURER.
6. FOR ROOF, PARAPET, AND WALL SHEATHING, USE FASTENERS WITH HOT-DIP ZINC COATINGS COMPLYING WITH ASTM A153 OR TYPE 304 STAINLESS STEEL.
7. FOR ROOF, PARAPET, AND WALL SHEATHING WITH ORGANIC-POLYMER OR OTHER CORROSION-PROTECTION COATINGS, USE FASTENERS WITH A SALT-SPRAY RESISTANCE OF MORE THAN 800 HOURS ACCORDING TO ASTM B117.

WOOD SHEATHING

- A. GENERAL:
1. WOOD SHEATHING REFERS TO WOOD STRUCTURAL PANELS, OF EITHER PLYWOOD OR ORIENTED STRAND BOARD (OSB).
2. WOOD SHEATHING IS APA-RATED SHEATHING, COMPLYING WITH PRODUCT STANDARD DOC P51 OR DOC P52. WOOD SHEATHING MANUFACTURER MUST BE A MEMBER OF THE AMERICAN PLYWOOD ASSOCIATION (APA).
3. PROTECT WOOD SHEATHING FROM WEATHER AND PROVIDE FOR AIR CIRCULATION AROUND STACKS AND UNDER COVERINGS.
4. PANELS MUST HAVE FACTORY MARKS INDICATING COMPLIANCE WITH APPLICABLE STANDARDS.
5. THICKNESS NOT LESS THAN INDICATED, AND AS REQUIRED TO COMPLY WITH SPECIFIED REQUIREMENTS.
6. INSTALL SHEATHING WITH THE STRENGTH DIRECTION (TYPICALLY LONG DIMENSION) PERPENDICULAR TO FRAMING AND WITH END JOINTS STAGGERED.
7. PROTECT WOOD SHEATHING FROM DEFECTS IMPAIRING THE QUALITY OF SHEATHING OR PIECES TOO SMALL TO USE WITH MINIMUM NUMBER OF JOINTS, LAYOUT PANELS TO SPAN BETWEEN AT LEAST THREE SUPPORT MEMBERS.
8. COORDINATE SHEATHING INSTALLATION WITH FLASHING AND JOINT-SEALANT INSTALLATION SO MATERIALS ARE INSTALLED IN A SEQUENCE AND MANNER PREVENTING EXTERIOR MOISTURE FROM PASSING THROUGH THE COMPLETED ASSEMBLY.
9. DO NOT BRIDGE BUILDING EXPANSION JOINTS.
10. WHERE EITHER 2 INCH OR 1 1/2 INCH FASTENER SPACINGS ARE SPECIFIED TO 2 INCH OR LESS FRAMING MEMBERS, THE FRAMING MEMBER AT ADJOINING PANEL EDGES MUST BE 2 1/2 INCH OR GREATER. STAGGER FASTENERS AT PANEL EDGES IN TWO LINES.
B. ROOF SHEATHING:
1. SPAN RATING: NOT LESS THAN 4020
2. NOMINAL THICKNESS: NOT LESS THAN 5/8 INCH
3. EXPOSURE AND DURABILITY CLASSIFICATION: EXPOSURE 1
4. FASTENING METHOD, UNLESS NOTED OTHERWISE:
a. FASTENERS: 6d RING SHANK NAILS (0.113" x 2")
b. BOUNDARY EDGE SPACING: 4 INCHES OC
c. PANEL EDGE SPACING: 8 INCHES OC
d. FIELD SPACING: 12 INCHES OC
C. FASTENERS:
1. AS A MINIMUM, FASTENING TO COMPLY WITH THE "FASTENING SCHEDULE" OF THE REFERENCED BUILDING CODE AND THE ICC-ES EVALUATION REPORT FOR FASTENERS.
2. USE STEEL COMMON NAILS INTO WOOD FRAMING AND SCREWS INTO COLD-FORMED STEEL FRAMING, UNLESS NOTED OTHERWISE.
3. NAILS, BRADS, AND STAPLES: ASTM F1667.
4. SCREWS FOR FASTENING SHEATHING TO WOOD FRAMING: ASTM C1002.
5. SCREWS FOR FASTENING SHEATHING TO COLD-FORMED STEEL FRAMING: ASTM C954, EXCEPT WITH WAFER HEADS (MINIMUM HEAD DIA=0.333 INCHES) AND REAMER WINGS. LENGTH AS RECOMMENDED BY SCREW MANUFACTURER.
6. FOR ROOF, PARAPET, AND WALL SHEATHING, USE FASTENERS WITH HOT-DIP ZINC COATINGS COMPLYING WITH ASTM A153 OR TYPE 304 STAINLESS STEEL.
7. FOR ROOF, PARAPET, AND WALL SHEATHING WITH ORGANIC-POLYMER OR OTHER CORROSION-PROTECTION COATINGS, USE FASTENERS WITH A SALT-SPRAY RESISTANCE OF MORE THAN 800 HOURS ACCORDING TO ASTM B117.

CONCRETE UNIT MASONRY

- A. MASONRY CONSTRUCTION MUST CONFORM WITH ACI 530.1.
B. CONCRETE MASONRY UNITS (CMU) ARE LIGHTWEIGHT COMPLYING WITH ASTM C90. UNITS HAVE A MINIMUM AVERAGE NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI. MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY (FM) IS 2,000 PSI.
C. MORTAR MUST CONFORM TO ASTM C270, TYPE M OR S.
D. GROUT MUST CONFORM TO ASTM C476, WITH A 28 DAY COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE SPECIFIED NET AREA COMPRESSIVE STRENGTH OF MASONRY (FM).
E. REINFORCING BARS ARE ASTM A615, GRADE 60.
F. VERTICAL AND HORIZONTAL REINFORCING ARE CONTINUOUS AND LAPPED A MINIMUM OF 72 BAR DIAMETERS.
G. POSITION AND HOLD REINFORCING STRAIGHT AS INDICATED. INSTALL REBAR POSITIONERS AT SPACING NOT TO EXCEED 200 BAR DIAMETERS, AT GROUT LIFT HEIGHTS, OR BAR SPLICE LOCATIONS, WHICHEVER IS LESS. TO HOLD REBAR IN PROPER LOCATION UNTIL GROUT CURES.
H. INSTALL 9 GAGE LADDER TYPE HORIZONTAL JOINT REINFORCING AT 16" OC MAXIMUM SPACING UNLESS NOTED OTHERWISE. JOINT REINFORCING COMPLES WITH ASTM A951 AND GALVANIZED PER ASTM A153, CLASS B. LAP JOINT REINFORCEMENT AT LEAST 6 INCHES (MUST CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE LAP). LAP WITH STANDARD T- AND L-SHAPED PIECES AT INTERSECTIONS AND CORNERS.
I. INSTALL DOWELS FROM FOUNDATIONS OR SUPPORTING CONCRETE MEMBER BELOW, SAME SIZE AND SPACING AS VERTICAL REINFORCING, UNLESS NOTED OTHERWISE. DOWELS HAVE STANDARD ACI HOOKS.
J. FULLY GROUT ALL CELLS AND WALLS BELOW GRADE. SLUSH JOINT BETWEEN WYTHES.
K. LOW-LIFT GROUTING PROCEDURES IN ACCORDANCE WITH ACI 530.1.
L. IF HIGH-LIFT GROUTING, COMPLY WITH ACI 530.1 INCLUDING CLEANOUTS AT EACH GROUTED CELL.
1. DO NOT EXCEED 5 FEET GROUT POUR LIFT, UNLESS CLEANOUTS ARE PROVIDED IN THE BOTTOM COURSE OF EACH 5 FOOT LIFT.
2. MECHANICALLY VIBRATE ALL LIFTS IN EXCESS OF 1 FOOT.
3. DO NOT STOP GROUT POUR WITHIN 1-1/2 INCHES OF BED JOINT.
4. TOTAL GROUT POUR MUST NOT EXCEED 24 FEET WHEN GROUTING THE CELLS OF HOLLOW MASONRY.
M. INSTALL MASONRY IN A RUNNING BOND PATTERN.
N. SHORE ALL MASONRY LITELS UNTIL MASONRY AND GROUT HAVE SET FOR A MINIMUM OF 7 DAYS.
O. MASONRY WALLS HAVE BEEN DESIGNED IN THE FINAL CONSTRUCTED CONFIGURATION ASSUMING FULL BRACING TOP, BOTTOM, AND/OR SIDE OF WALL, DURING CONSTRUCTION. BRACE ALL CMU TO RESIST ERECTION AND LATERAL LOADS THAT MAY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION.



CITY OF SENECA
SENECA AMPHITHEATER
SENECA, SC

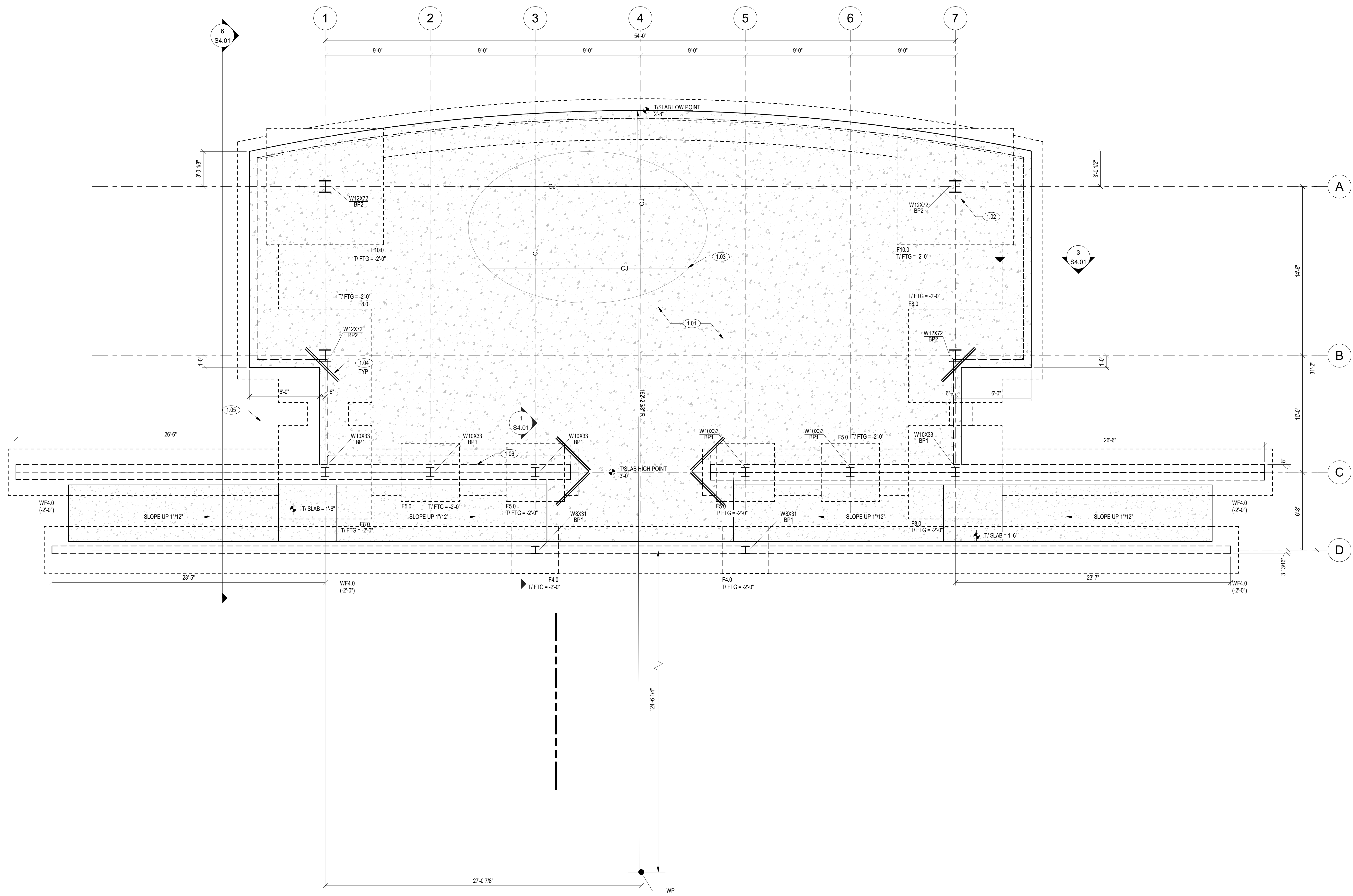
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PRINCIPAL IN CHARGE: DFI
PROJECT ENGINEER: MEP
DRAWN BY: AEB

SHEET TITLE: GENERAL NOTES

SHEET NO. PROJ. NO. 240398

S0.01



1 FOUNDATION PLAN
1/4" = 1'-0"

- FOUNDATION PLAN NOTES**
- ELEVATIONS BASE ON LEVEL 1 = +0'-0". COORDINATE WITH CIVIL AND ARCH.
 - ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR SHALL BE HOT-DIPPED GALVANIZED UNO.
 - CONTRACTOR TO VERIFY ALL SLAB EDGE AND STAIR DIMENSIONS WITH ARCH DRAWINGS PRIOR TO CONSTRUCTION.
 - REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
 - CONTRACTOR TO COORDINATE REQUIRED FOOTING STEPS WITH FINAL CIVIL GRADING PLAN AND ROOF DRAINS.
 - COORDINATE ALL SLOPED SLAB AND RECESSED AREAS WITH ARCHITECTURAL DRAWINGS.
 - TOP OF EXTERIOR FOOTING (T/FTG) = -2'-0" BELOW FINISHED FLOOR, TYP UNO.

FOUNDATION PLAN LEGEND

(###)	DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
F.#	DENOTES FOOTING (F), REF SCHEDULE THIS SHEET
WF.# & TS.#	DENOTES WALL FOOTING (WF) OR THICKENED SLAB (TS), REF SCHEDULE THIS SHEET
RW.#	DENOTES RETAINING WALL, REF SCHEDULE ON S3.01

SHEET NOTE SCHEDULE - FOUNDATION PLAN

MARK	DESCRIPTION
1.01	5" CONCRETE SLAB REINF W/ 6#8-W1.4xW1.4 WWR ON 10 MIL VAPOR RETARDER
1.02	COLUMN ISOLATION POCKET, SEE TYPICAL DETAIL ON SHEET S3.01
1.03	SLAB CONTROL OR CONSTRUCTION JOINT. JOINT SHALL BE PLACED AT 15 FEET OC MAX. SLAB UNITS CREATED BY JOINT LAYOUTS SHALL BE AS SQUARE AS POSSIBLE AND WITH A MAXIMUM ASPECT RATIO OF 1.25 TO 1. IN ADDITION, CONTROL JOINTS SHALL BE LOCATED AT THE CORNERS OF ALL ISOLATION POCKETS. REF TYPICAL DETAILS. REF ARCH FOR EXACT CONTROL JOINT LOCATIONS.
1.04	(2) #4 x 4'-0" LONG RE-ENTRANT CORNER REINFORCEMENT, CENTER IN SLAB
1.05	CONCRETE STAIRS, REF S3.01 FOR STAIR REINFORCEMENT
1.06	DOUBLE 8" CMU WALL

FOUNDATION SCHEDULE - WALL FOOTINGS (WF)

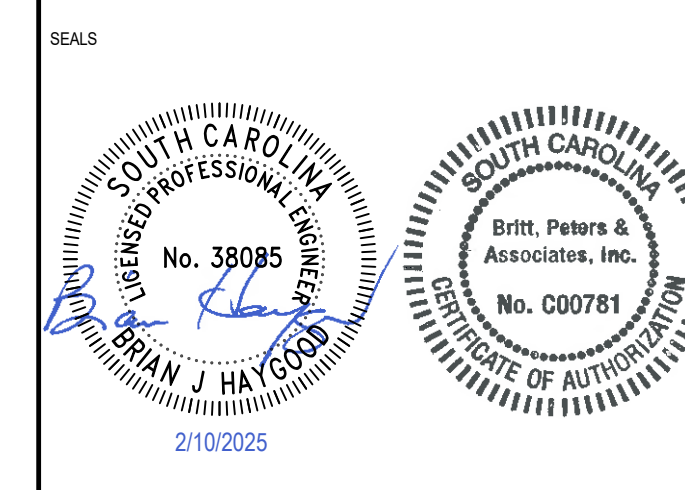
MARK	DIMENSIONS		REINFORCING				REMARKS
	WIDTH "W"	THICKNESS "T"	BOTTOM BARS		TOP BARS		
WF4.0	4'-0"	1'-0"	(5) #5	#5 @ 12" OC	(5) #5	#5 @ 12" OC	

FOUNDATION SCHEDULE - FOOTINGS (F)

MARK	WIDTH "W"	LENGTH "L"	THICKNESS "T"	REINFORCING				REMARKS
				BOTTOM BARS		TOP BARS		
F4.0	4'-0"	4'-0"	1'-0"	(6) #4	(6) #4	--	--	
F5.0	5'-0"	5'-0"	1'-8"	(7) #5	(7) #5	(4) #4	(4) #4	
F8.0	8'-0"	8'-0"	1'-8"	(12) #5	(12) #5	(4) #4	(4) #4	
F10.0	10'-0"	10'-0"	2'-6"	(14) #5	(14) #5	--	--	



CONSULTANT LOGO
BRITT, PETERS & ASSOCIATES
101 Falls Park Drive
Suite 601
Greenville, SC 29601
(854) 271-3889
www.brittpeters.com
BPA Project #: 240398



CITY OF SENECA
SENECA AMPHITHEATER
SENECA, SC

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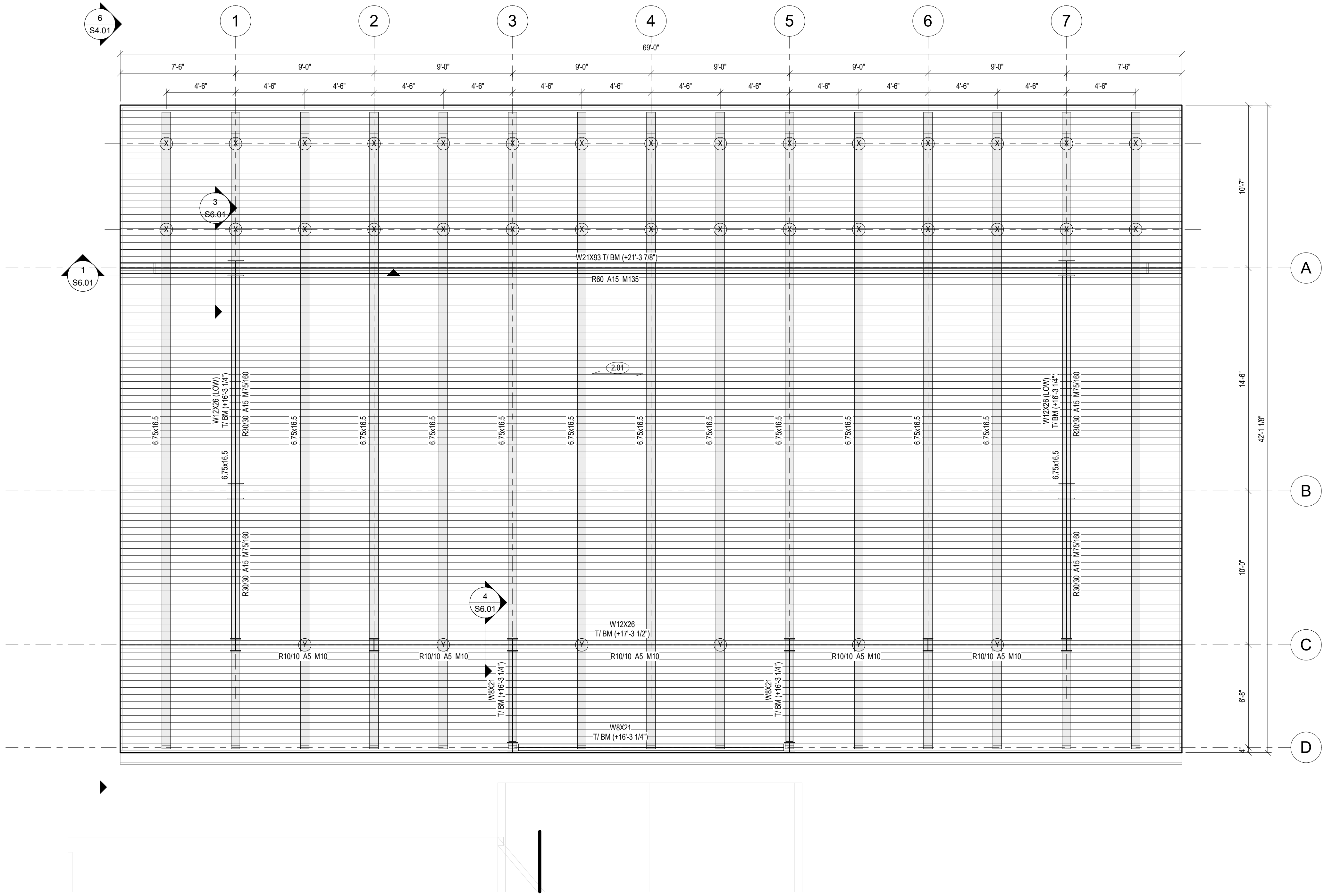
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PRINCIPAL IN CHARGE: DFI
PROJECT ENGINEER: MEP
DRAWN BY: AEB

SHEET TITLE:
FOUNDATION PLAN

SHEET NO. PROJ. NO.
240398

S1.01



1 ROOF
1/4" = 1'-0"

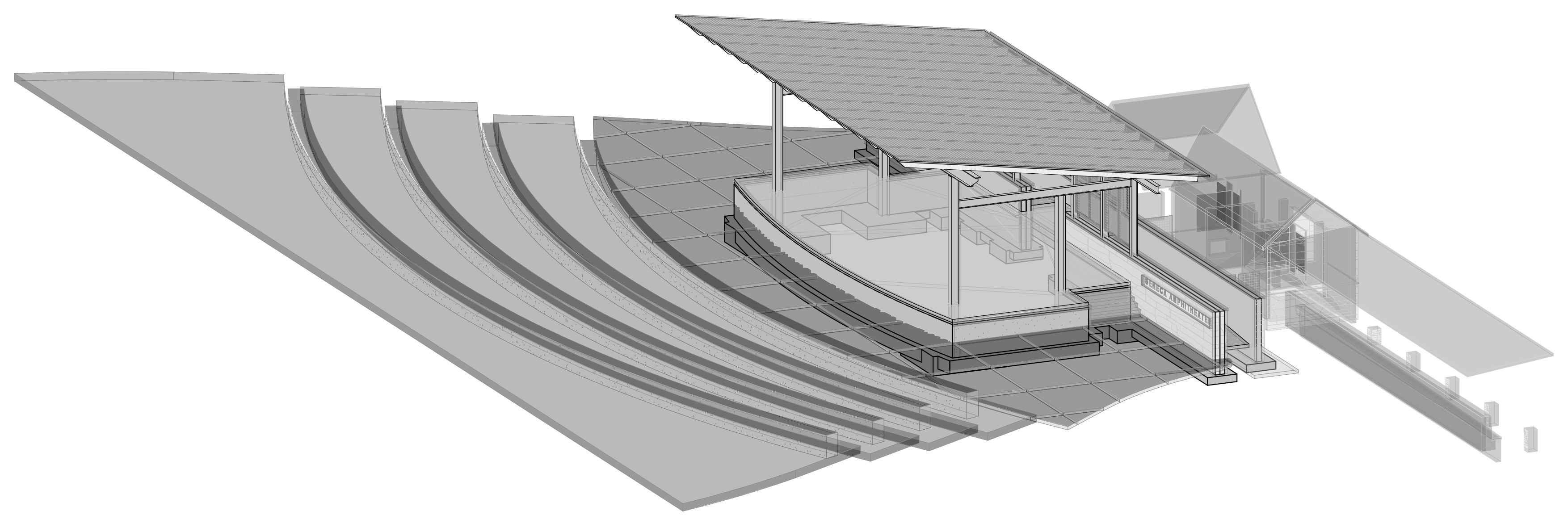
- ROOF FRAMING PLAN NOTES**
1. ALL WOOD THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR SHALL BE PRESERVATIVE-TREATED UNO.
 2. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR SHALL BE HOT-DIPPED GALVANIZED UNO.
 3. ALL EXPOSED STEEL SHALL CONFORM TO AESS CATEGORY 2 UNO.

- ROOF FRAMING PLAN LEGEND**
- (##) DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
 - DENOTES DECK SPAN DIRECTION
 - (X) 1000 LB LOAD FOR PRODUCTION PURPOSES
 - (Y) 500 LB LOAD FOR PRODUCTION PURPOSES

SHEET NOTE SCHEDULE - ROOF FRAMING PLANS (##)

REF PLANS AND DETAILS FOR SHEET NOTES REQUIRED. NOT ALL NOTES APPLICABLE TO THIS SHEET

MARK	DESCRIPTION
2.01	5/8" NOMINAL, EXP 1 OSB SHEATHING, REFER TO GENERAL NOTES FOR FASTENING REQUIREMENT



SHEET ISSUE:

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PRINCIPAL IN CHARGE: DFI
PROJECT ENGINEER: MEP
DRAWN BY: AEB

SHEET TITLE:
ROOF FRAMING PLAN

SHEET NO. PROJ. NO.
240398

S1.02

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NOTE REGARDING REINF COVER REQUIREMENTS

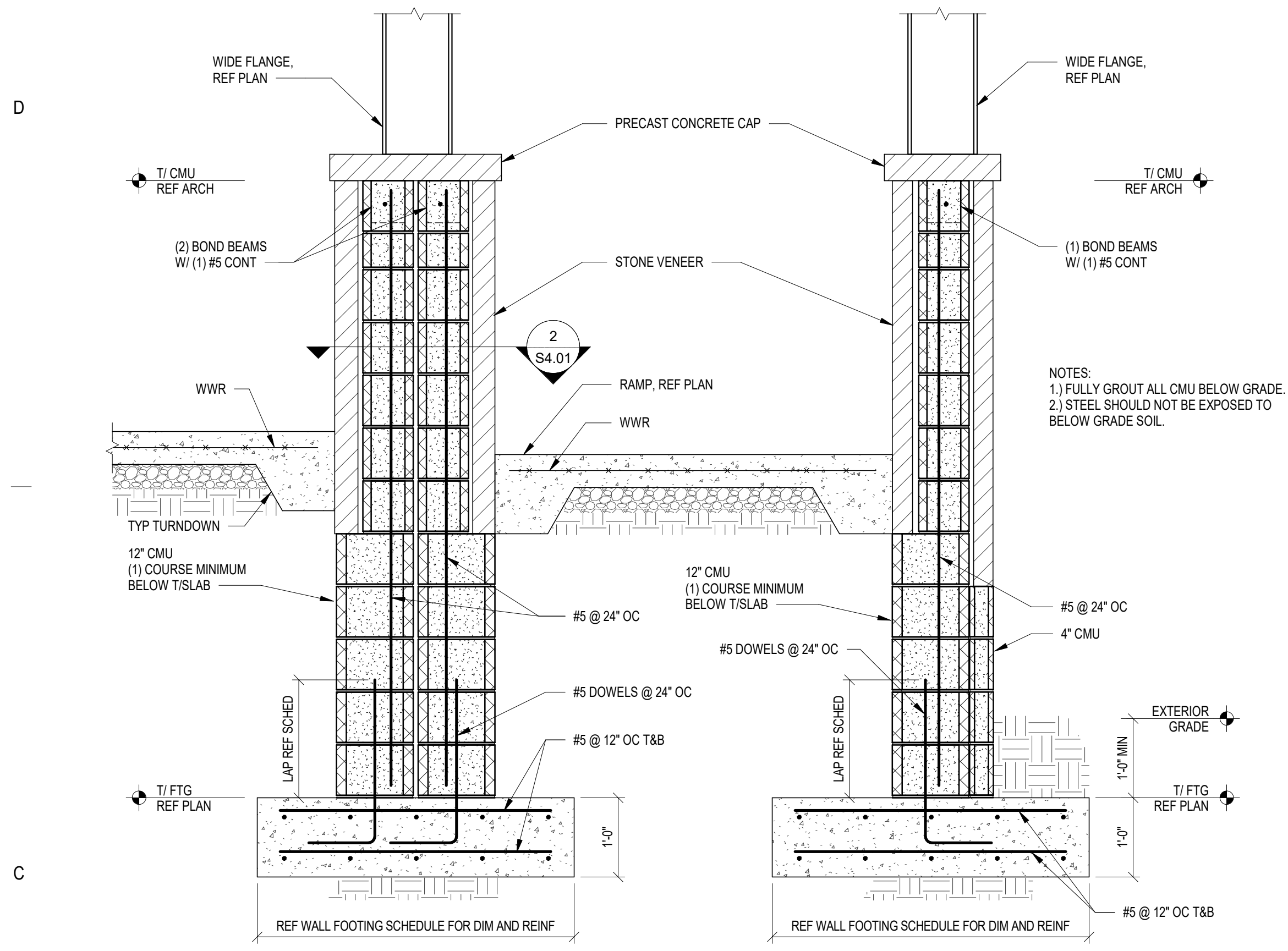
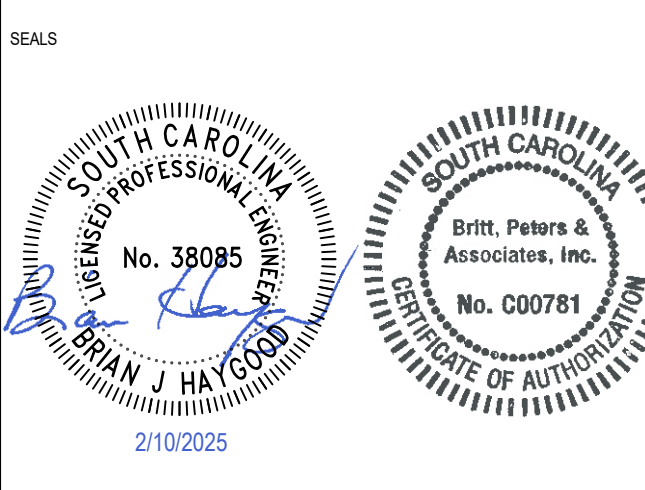
ALL REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE MINIMUM COVER REQUIREMENTS PER ACI AS OUTLINED IN THE GENERAL NOTES. SPECIFIC BAR LOCATIONS SHOWN IN SECTIONS AND DETAILS MAY OVERRIDE BUT NOT VIOLATE THE MINIMUM COVER REQUIREMENTS.



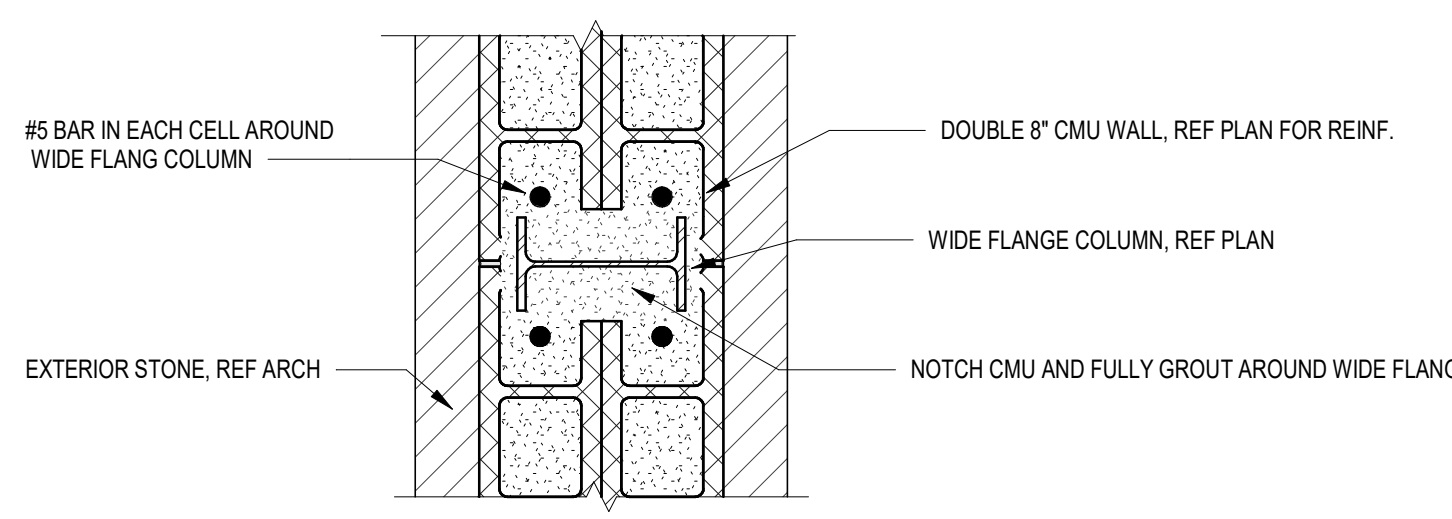
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CONSULTING ENGINEERS

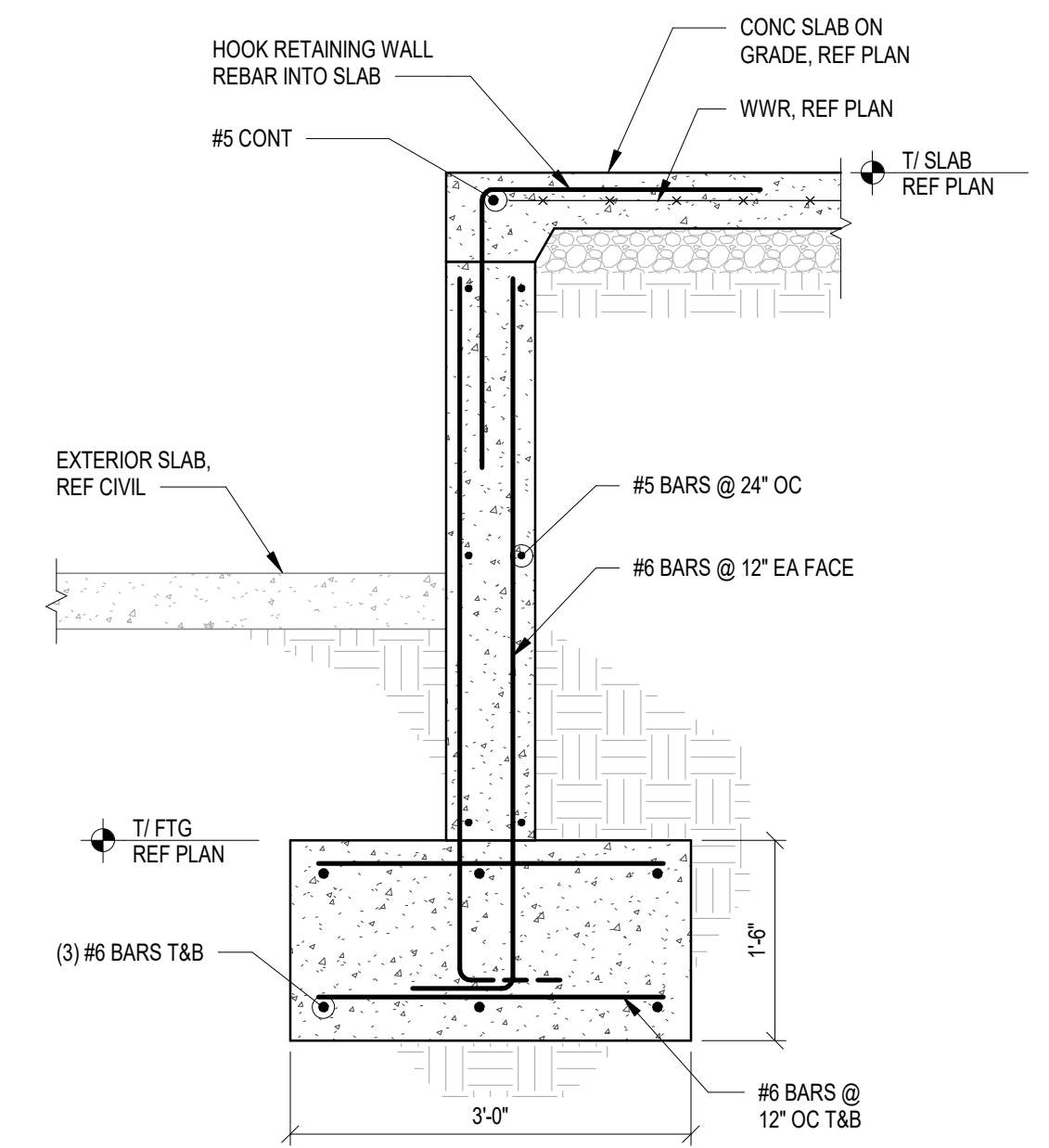
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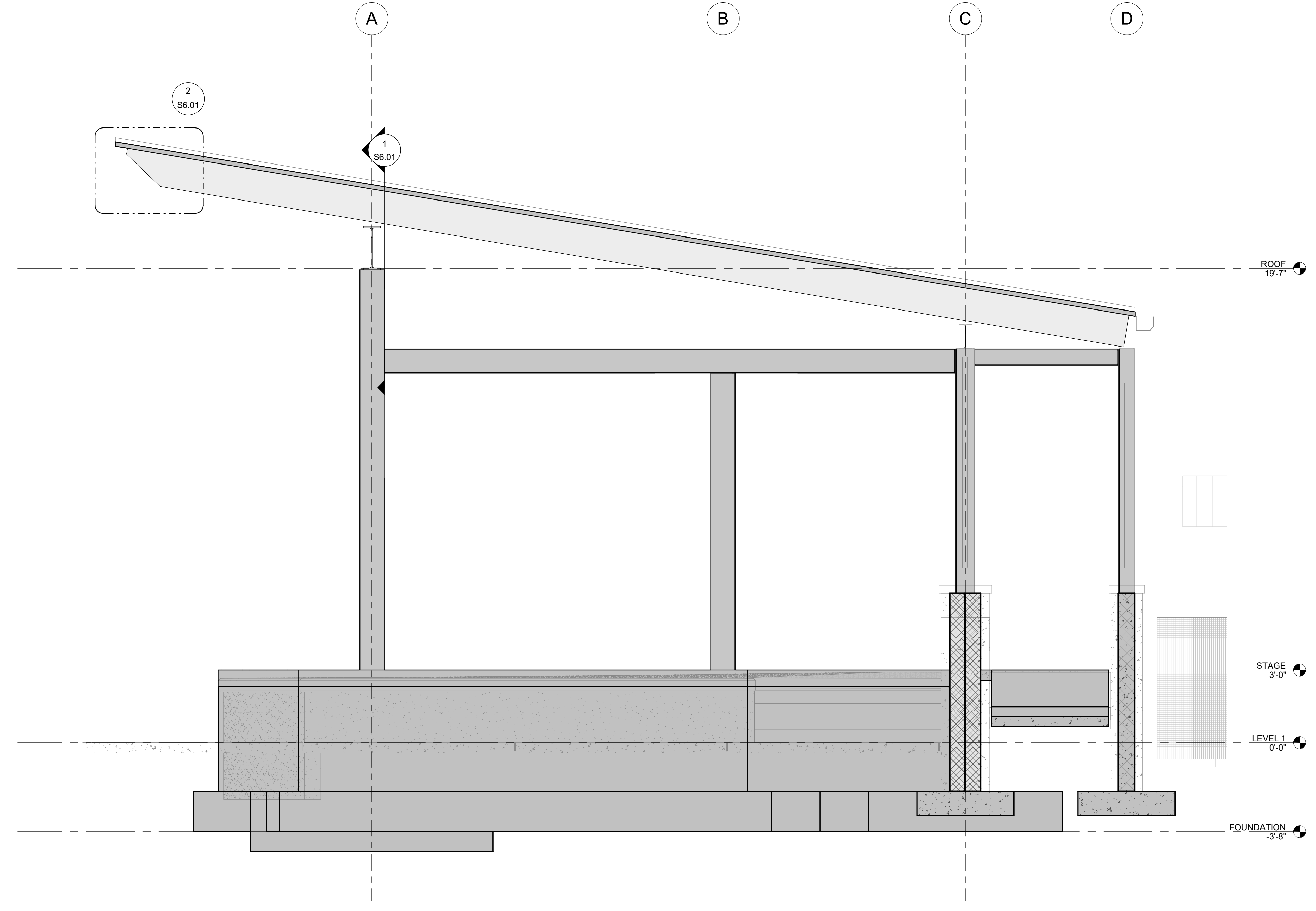
1 SECTION
3/4" = 1'-0"



2 SECTION
1" = 1'-0"



3 SECTION
3/4" = 1'-0"



6 SECTION
3/8" = 1'-0"

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SENECA AMPHITHEATER
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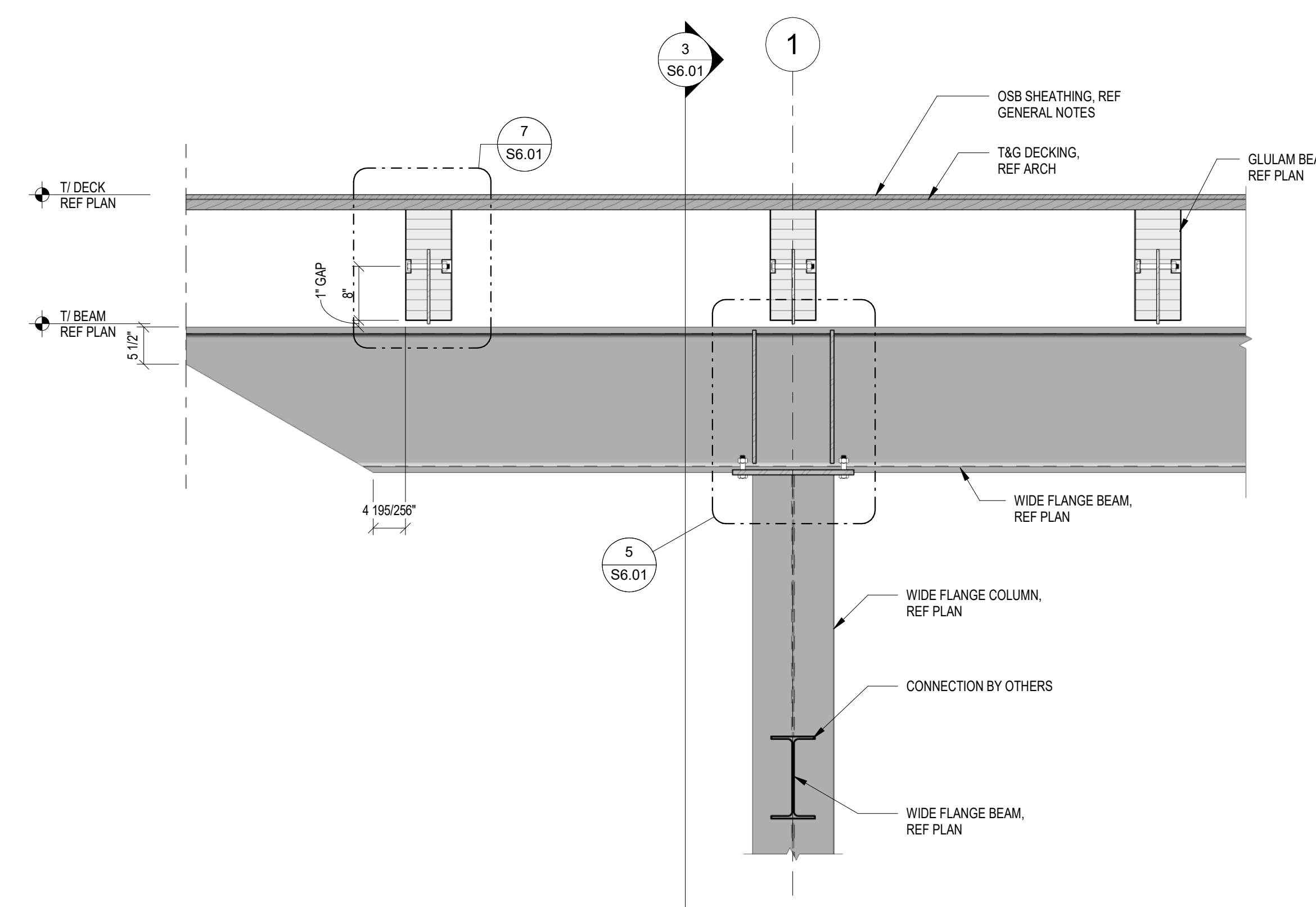
PRINCIPAL IN CHARGE: DFI
PROJECT ENGINEER: MEP
DRAWN BY: AEB

SHEET TITLE:
FOUNDATION SECTIONS

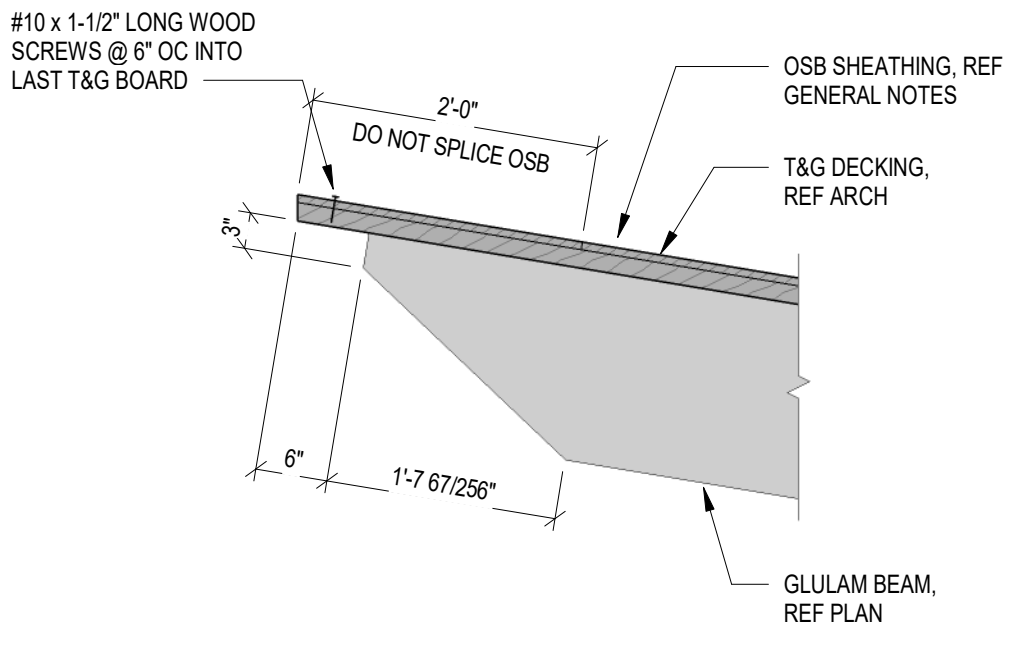
SHEET NO. PROJ. NO.
240398

S4.01

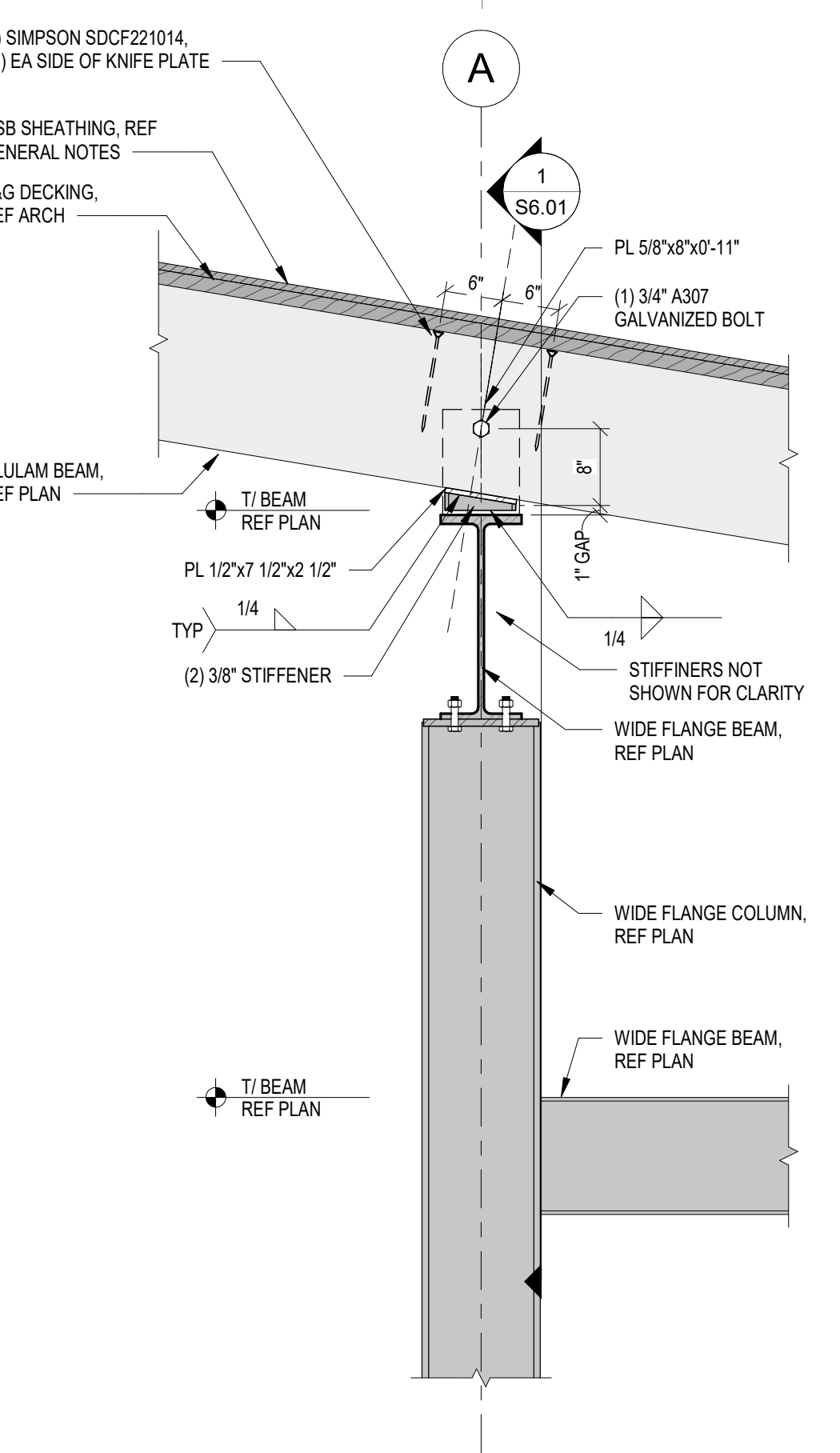
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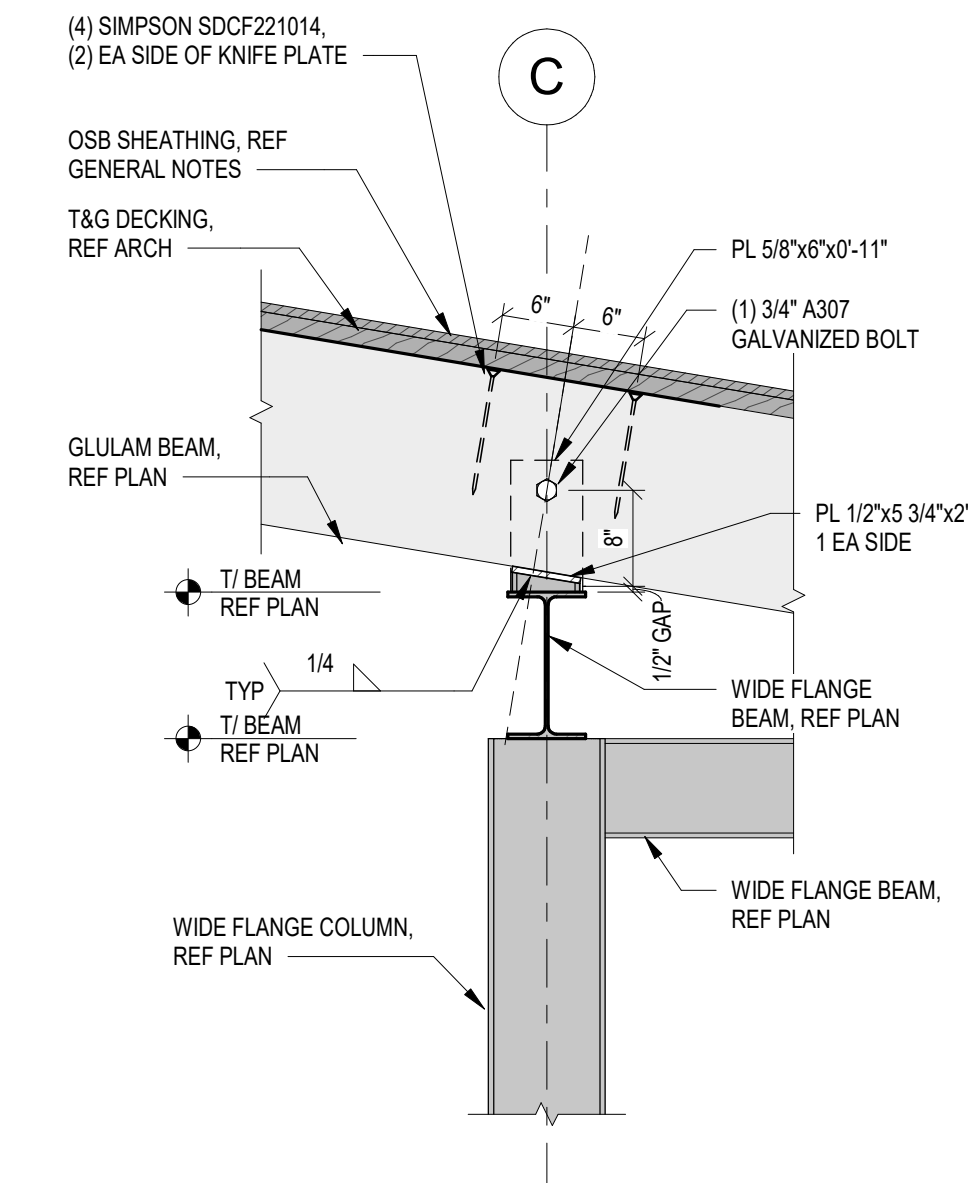
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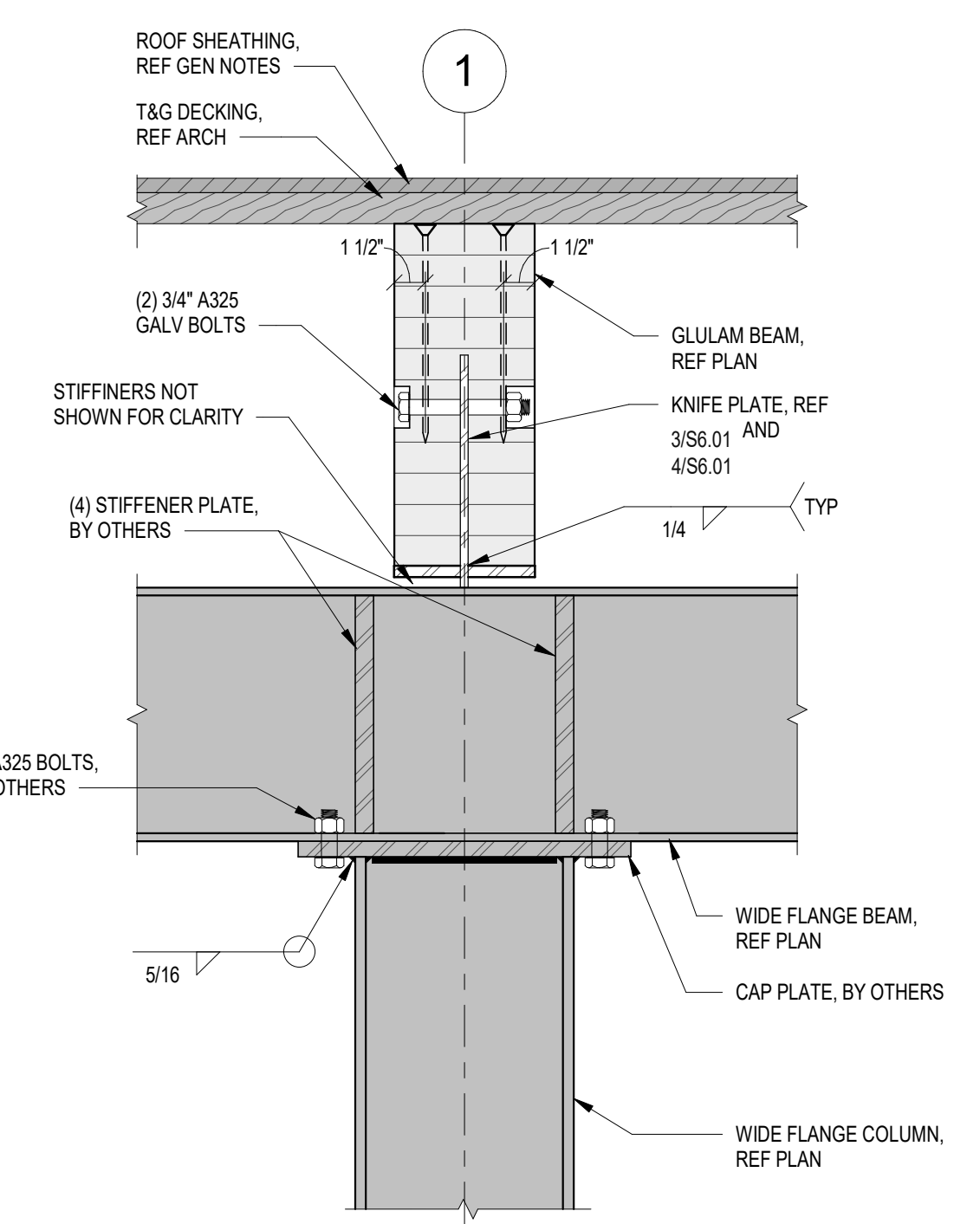
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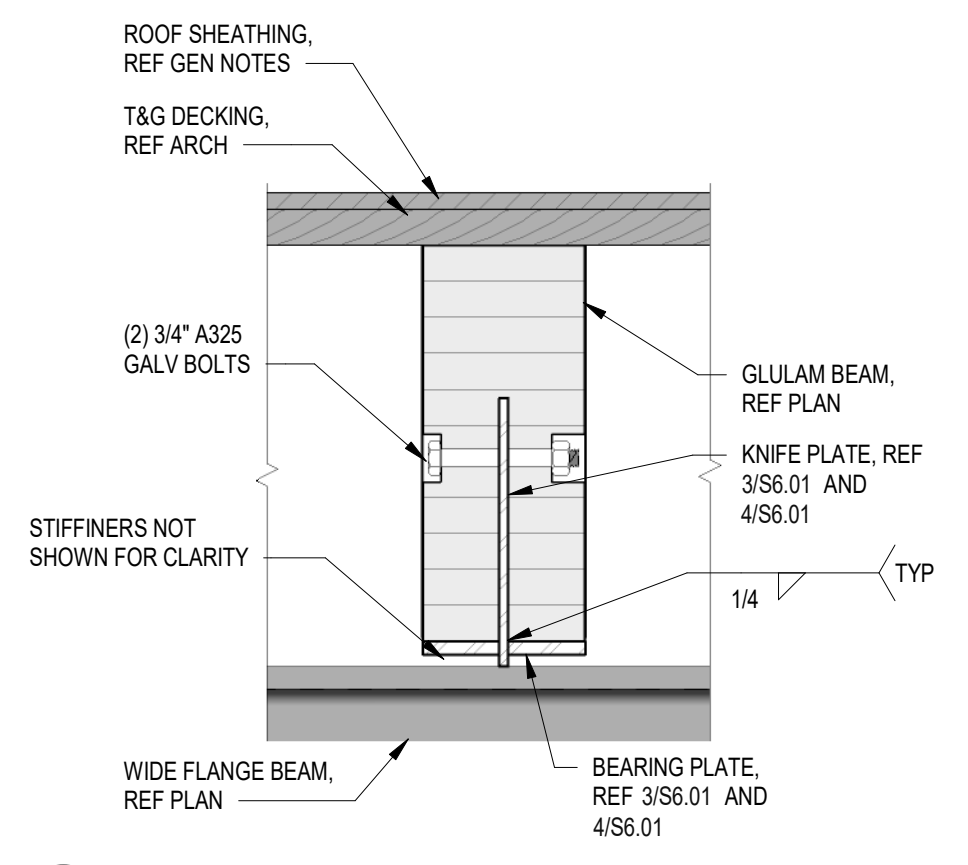
3 SECTION
3/4" = 1'-0"



4 SECTION
3/4" = 1'-0"



5 SECTION
1 1/2" = 1'-0"



7 SECTION
1 1/2" = 1'-0"

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PRINCIPAL IN CHARGE: DFI
 PROJECT ENGINEER: MEP
 DRAWN BY: AEB

SHEET TITLE:
ROOF SECTIONS

SHEET NO. PROJ. NO.
 240398

S6.01

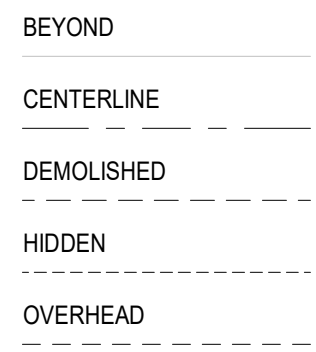
ABBREVIATION NOTES:

- ABBREVIATIONS LISTED BELOW APPLY TO THE ARCHITECTURAL DRAWINGS ONLY. REFER TO CONSTRUCTION DOCUMENTS PREPARED BY MPS CONSULTANTS FOR ABBREVIATIONS USED.
- REFER TO FINISH SCHEDULE FOR FINISH MATERIAL ABBREVIATIONS NOT SHOWN.

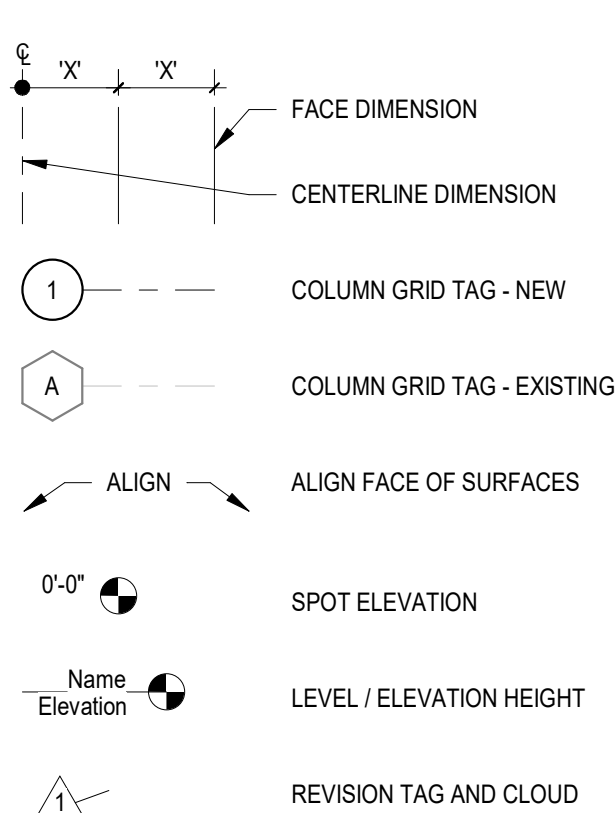
AC	AIR CONDITION	FKT	FIXTURE	PRFAB	PREFABRICATE
AE	ARCHITECT/ENGINEER	FOC	FACE OF CONCRETE/ FACE OF CURB	PT	PRESSURE TREATED
ACT	ACOUSTICAL CEILING TILE	FOF	FACE OF FINISH	R	RADIUS
ADJ	ADJACENT or ADJUSTABLE	FOM	FACE OF MASONRY	RB	RESILIENT BASE
AF	ABOVE FINISHED FLOOR	FOS	FACE OF STUD	RCP	REFLECTED CEILING PLAN
AHJ	AUTHORITY HAVING JURISDICTION	FOW	FACE OF WALL	RD	ROOF DRAIN
ALT	ALTERNATE	FURN	FURNITURE	REBAR	REINFORCING STEEL BARS
ALUM	ALUMINUM	GALV	GALVANIZED	REF	REFERENCE
APPROX	APPROXIMATE	GB	GRAB BAR	REINFC	REINFORCE
ARCH	ARCHITECT	GC	GENERAL CONTRACTOR	REQD	REQUIRED
ARCHN	ARCHITECT'S SUPPLEMENTAL INSTRUCTION	GFRG	GLASS-FIBER-REINFORCED CONCRETE	RH	ROOF HATCH
AS	ARCHITECT'S SUPPLEMENTAL INSTRUCTION	GFRG	GLASS-FIBER-REINFORCED GYPSUM	RM	ROOM
AVG	AVERAGE	GFRP	GLASS-FIBER-REINFORCED PLASTER	RO	ROUGH OPENING
		GL	GLASS/GLAZING	RTF	RUBBER TILE FLOOR
		GMP	GUARANTEED MAXIMUM PRICE	RTU	ROOF TOP UNIT
		GYP BD	GYPSUM WALL BOARD	RV	ROOF VENT
BD	BOARD	HB	HOSE BIBB	SCHED	SCHEDULE
BD FT	BOARD FEET (FOOT)	HC	HOLLOW CORE	SD	SMOKE DETECTOR
BLDG	BUILDING	HDW	HARDWARE	SHR	SHOWER
BOS	BOTTOM OF STEEL	HM	HOLLOW METAL	SHRD	SHOWER DRAIN
BOT	BOTTOM	ID	INSIDE DIAMETER/ INSIDE DIMENSION	SIM	SIMILAR
		INSUL	INSULATION	SP	STANDOFF
		INT	INTERIOR	SPEC	SPECIFICATION(S)
		JAN	JANITOR	SPKLR	SPEAKER
		JT	JOINT	SQ FT	SQUARE FOOT
		KD	KNOCKED DOWN	SS	SOLID SURFACE
		LAM	LAMINATE	SST	STAINLESS STEEL
		LAV	LAVATORY	STC	SOUND TRANSMISSION CLASS
		LF	LINEAR FEET (FOOT)	STOR	STORAGE
		LWC	LIGHTWEIGHT CONCRETE	SUSP CLG	SUSPENDED CEILING
		LOS	LINE OF SIGHT	SYM	SYMMETRICAL
		MAINT	MAINTENANCE	TA	TOILET ACCESSORY
		MAX	MAXIMUM	TBD	TO BE DETERMINED
		MED	MEDICAL	T&G	TONGUE AND GROOVE
		MEZZ	MEZZANINE	TEMP	TEMPORARY
		MID	MIDDLE	THRU	THROUGH
		MIN	MINIMUM	TLT	TOILET
		MISC	MISCELLANEOUS	TOM	TOP OF MASONRY
		MOLD	MOLDING (MOLDING)	TOP	TOP OF PARAPET
		MOD BIT	MODIFIED BITUMEN	TOS	TOP OF SLAB/ TOP OF STEEL
		MR	MOISTURE RESISTANT	TOW	TOP OF WALL
		MTL	METAL	TS	TRANSITION STRIP
		MW	MICROWAVE	UNFN	UNFINISHED
		N/A	NOT APPLICABLE	UNO	UNLESS NOTED OTHERWISE
		NIC	NOT IN CONTRACT	VERT	VERTICAL
		NO	NUMBER	VEST	VESTIBULE
		NOM	NOMINAL	VF	VERIFY IN FIELD
		NTP	NOTICE TO PROCEED	W/	WITH
		OC	ON CENTER	W/O	WITHOUT
		OD	OUTSIDE DIAMETER	WB	WOOD BASE
		OFD	OVERFLOW DRAIN	WC	WATER CLOSET
		OFIC	OWNER FURNISHED/CONTRACTOR INSTALLED	WD	WOOD
		OFI	OWNER FURNISHED/OWNER INSTALLED	WH	WATER HEATER
		OPP	OPPOSITE	WP	WALL PROTECTION
		P	PANT	WRB	WATER RESISTANT BARRIER
		PAT	PATTERN	WSCOT	WAINSCOT
		PERF	PERFORATED	WWF	WELDED WIRE FABRIC
		PERM	PERMANENT	WWM	WELDED WIRE MESH
		PERP	PERPENDICULAR	XPS	EXTRUDED POLYSTYRENE BOARD (INSULATION)
		PJ	PANEL JOINT		
		PLAM	PLASTIC LAMINATE		
		PLMB	PLUMBING		
		PLYWD	PLYWOOD		
		POLYISO	POLYISOCYANURATE		
		PORC	PORCELAIN		

ABBREVIATIONS LIST

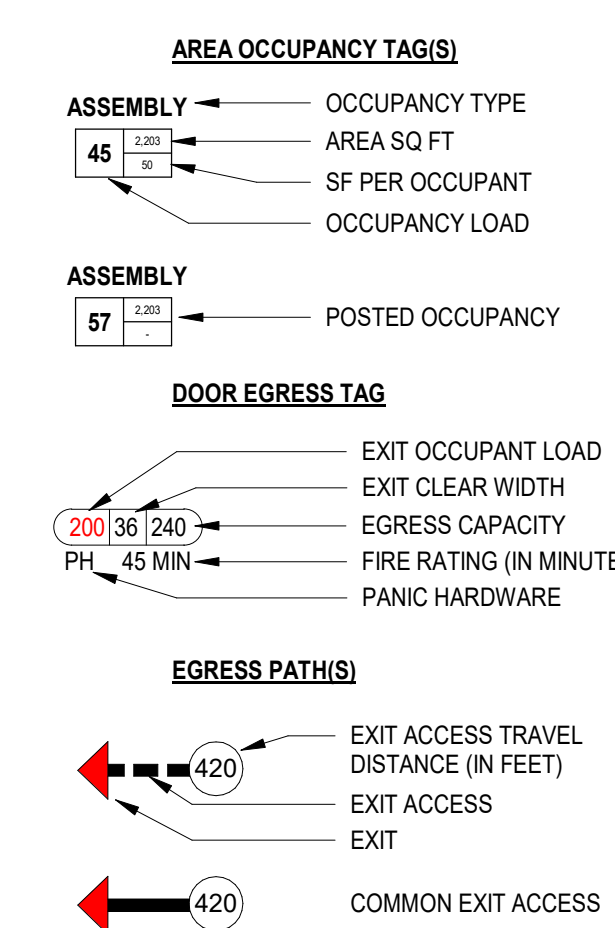
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ANNOTATIONS

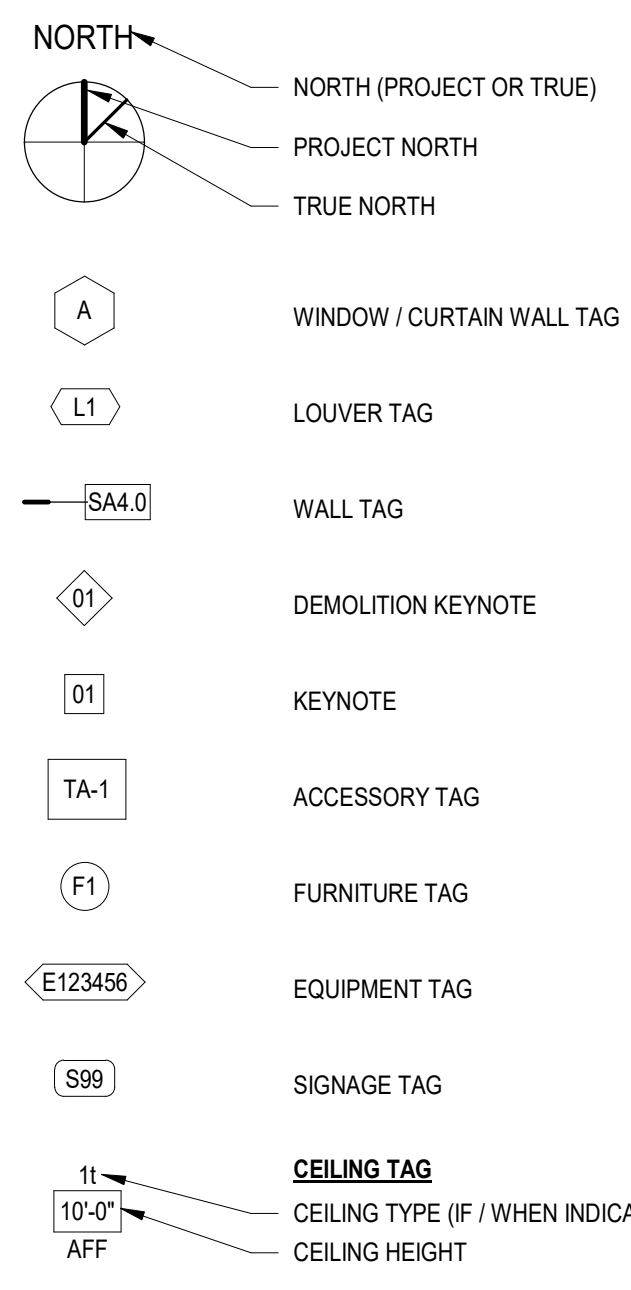


LIFE SAFETY ANNOTATIONS

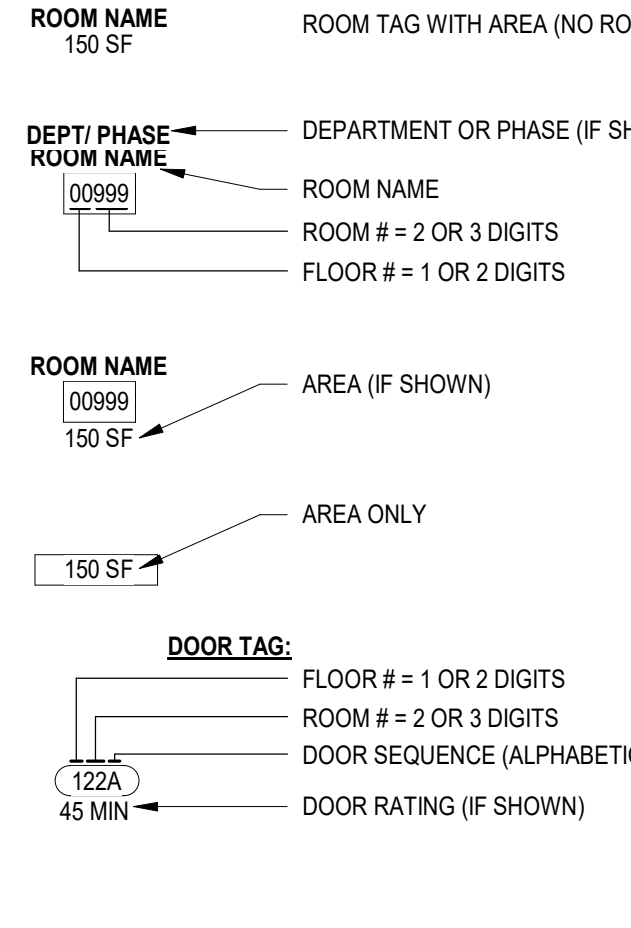


STANDARD GRAPHICS AND SYMBOLS

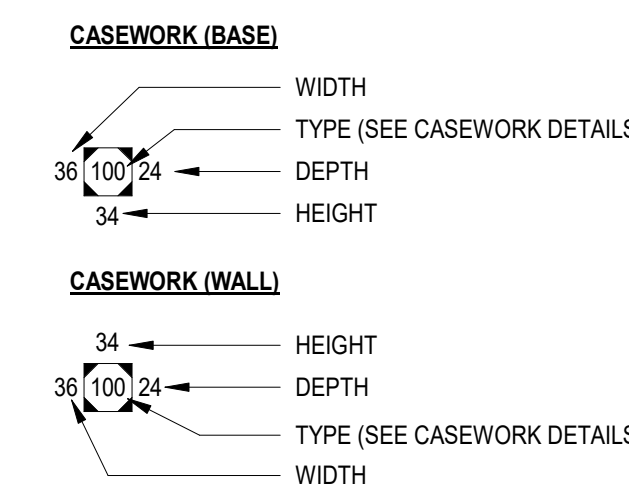
ANNOTATIONS AND TAGS



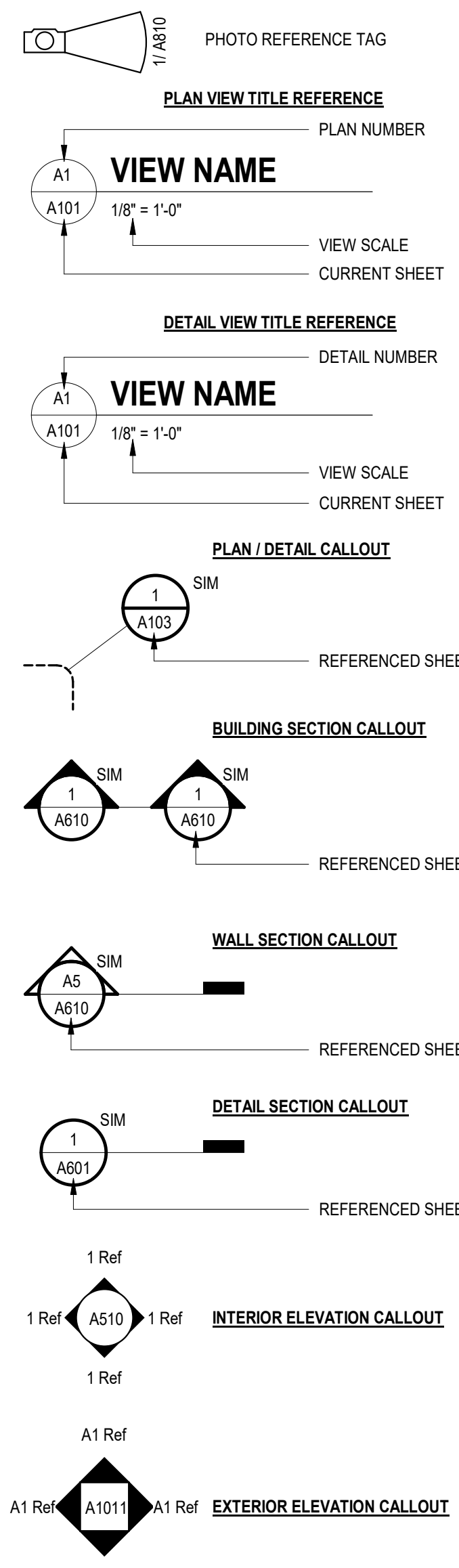
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ANNOTATIONS AND TAGS



VIEW REFERENCE

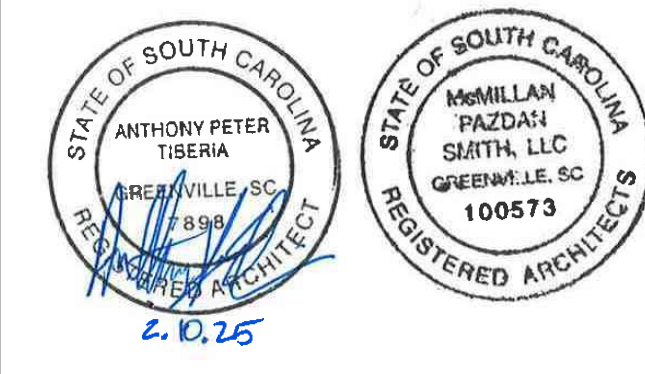


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SEALS



CITY OF SENECA

SENECA AMPHITHEATER

300 MAIN STREET, SENECA, SC 29678

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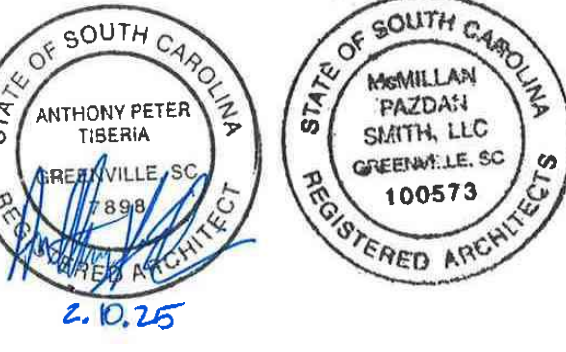
PRINCIPAL IN CHARGE: AT
 PROJECT ARCHITECT: AT
 DRAWN BY: MPS

SHEET TITLE:
**ABBREVIATION,
 SYMBOLS AND
 LEGENDS**

SHEET NO. PROJ. NO.
 023193.02

A001

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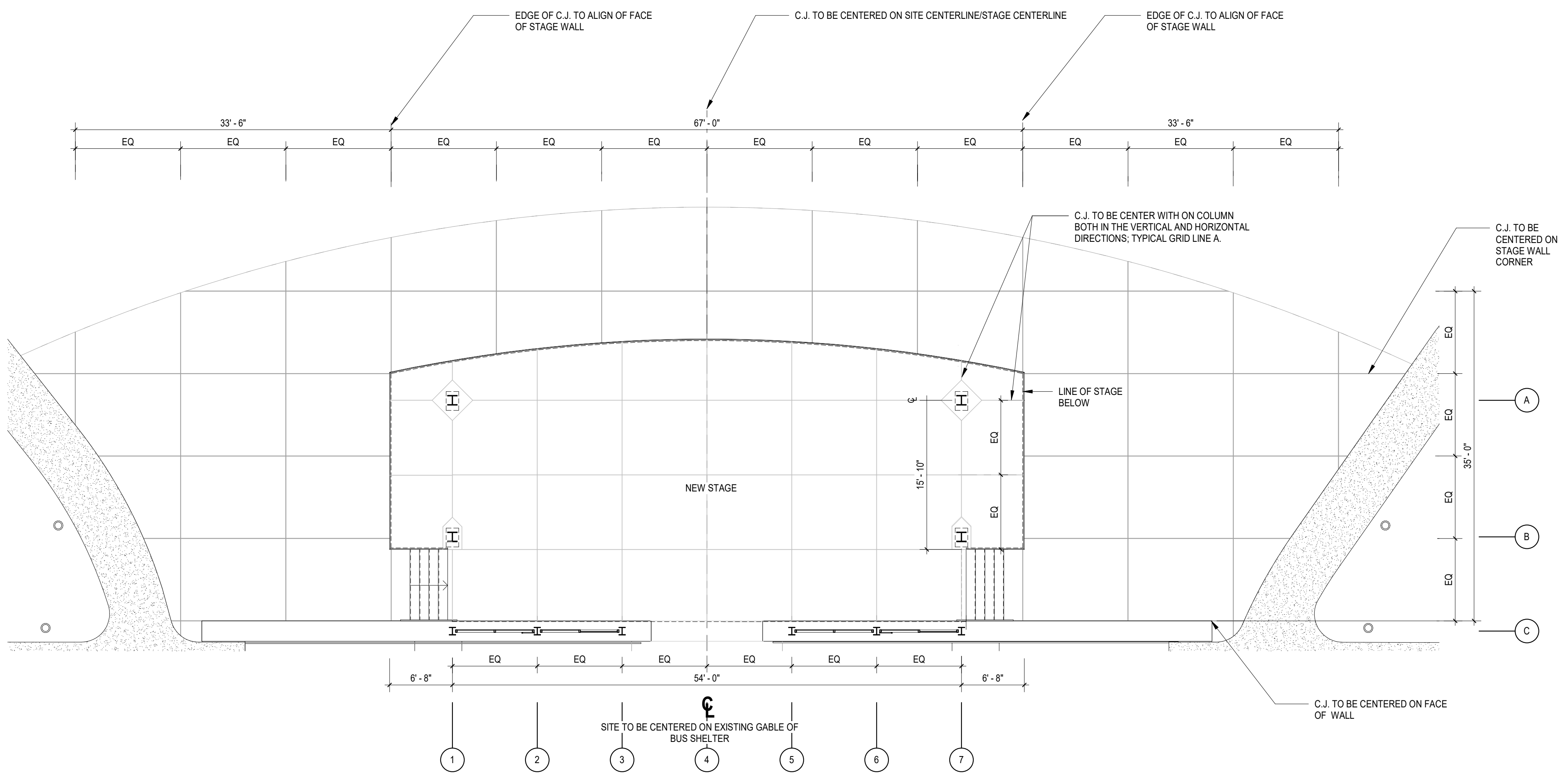
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PRINCIPAL IN CHARGE: AT
PROJECT ARCHITECT: AT
DRAWN BY: Author

SHEET TITLE:
SITE DETAILS

SHEET NO. PROJ. NO.
A011 023193.02

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A5 FLOOR PLAN - CONCRETE CONTROLL JOINT PLAN
A011 1/8" = 1'-0"



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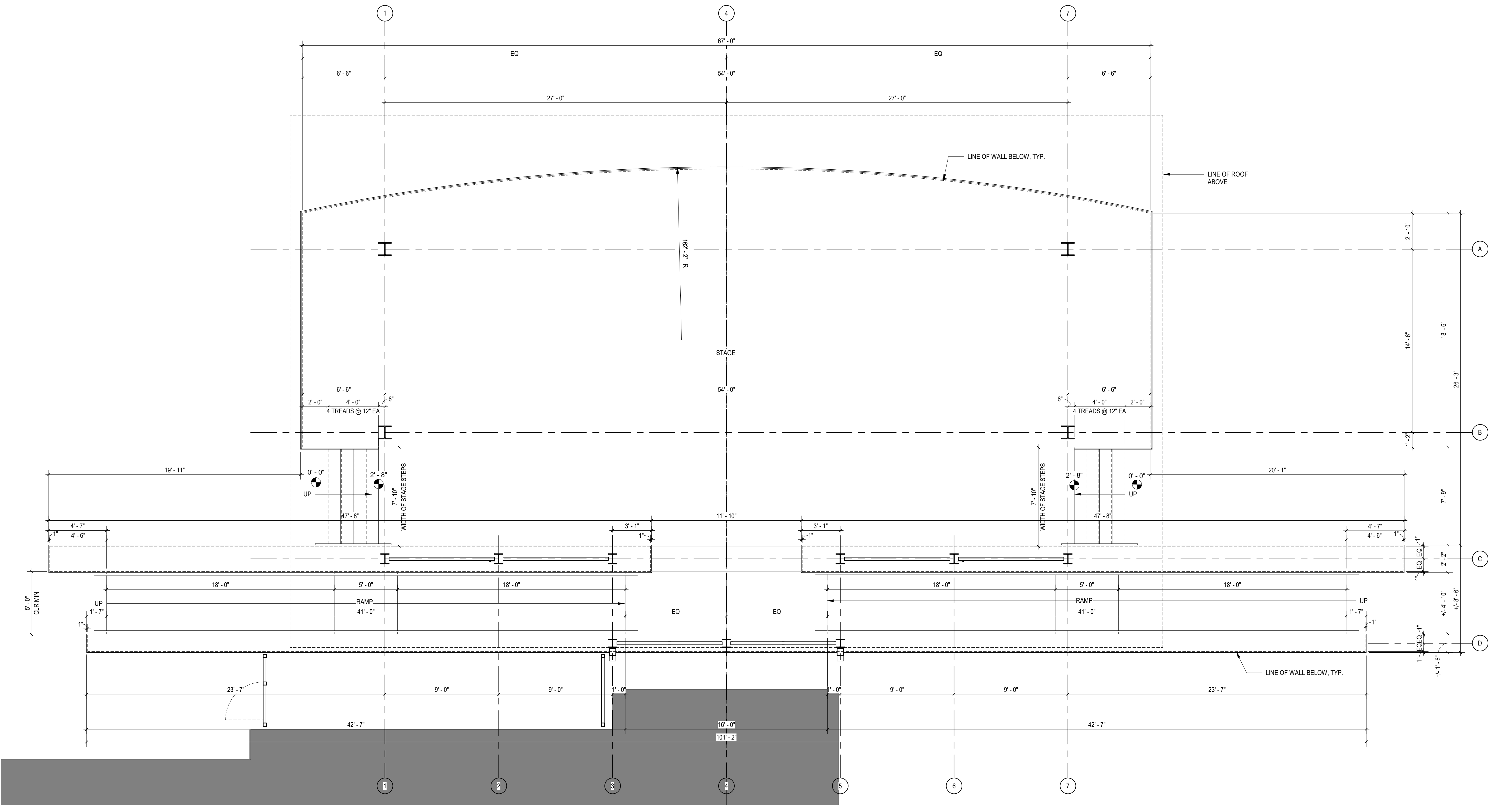
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PRINCIPAL IN CHARGE: AT
PROJECT ARCHITECT: AT
DRAWN BY: JD

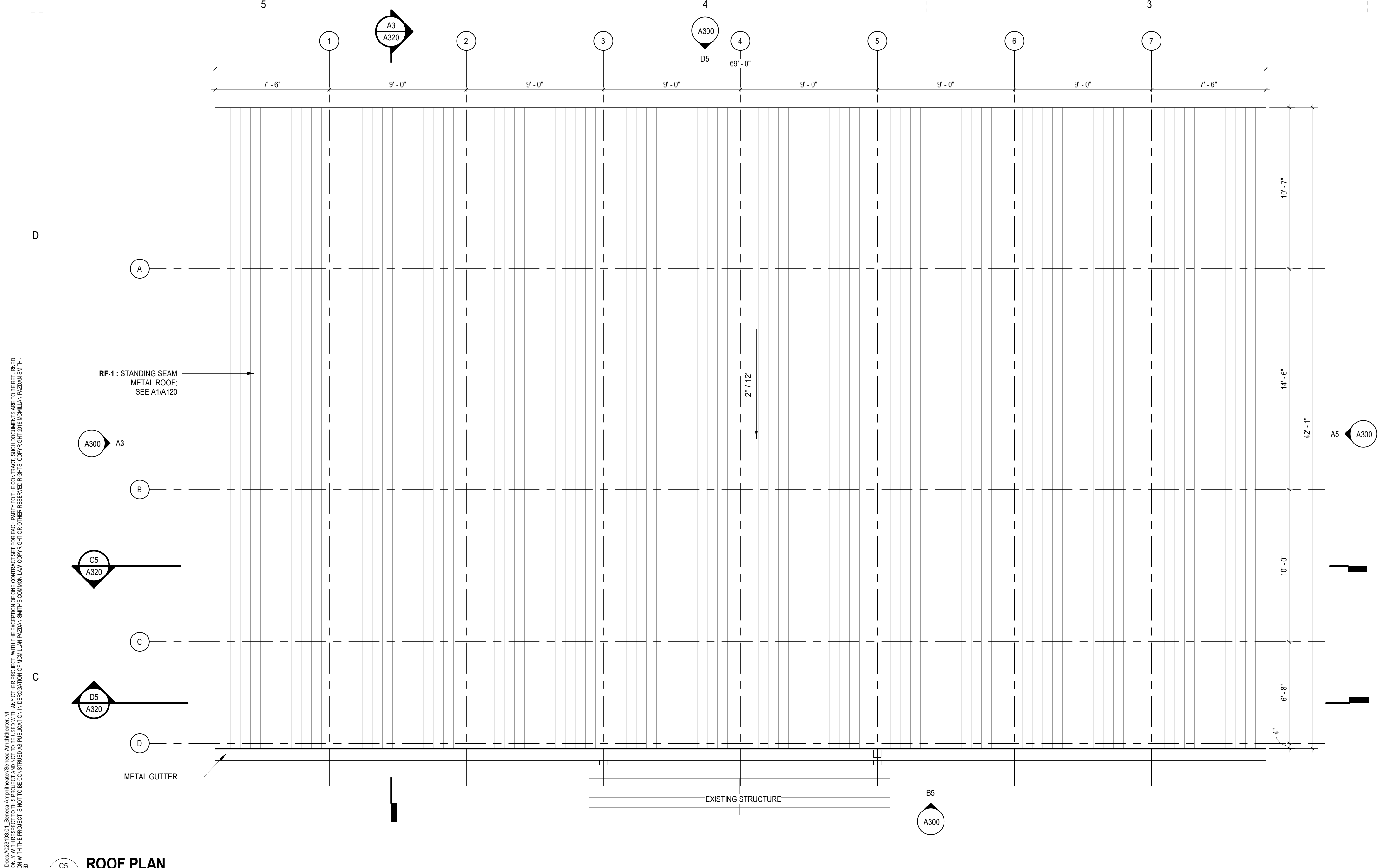
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DIMENSION PLAN

SHEET NO. PROJ. NO.
A111 023193.02

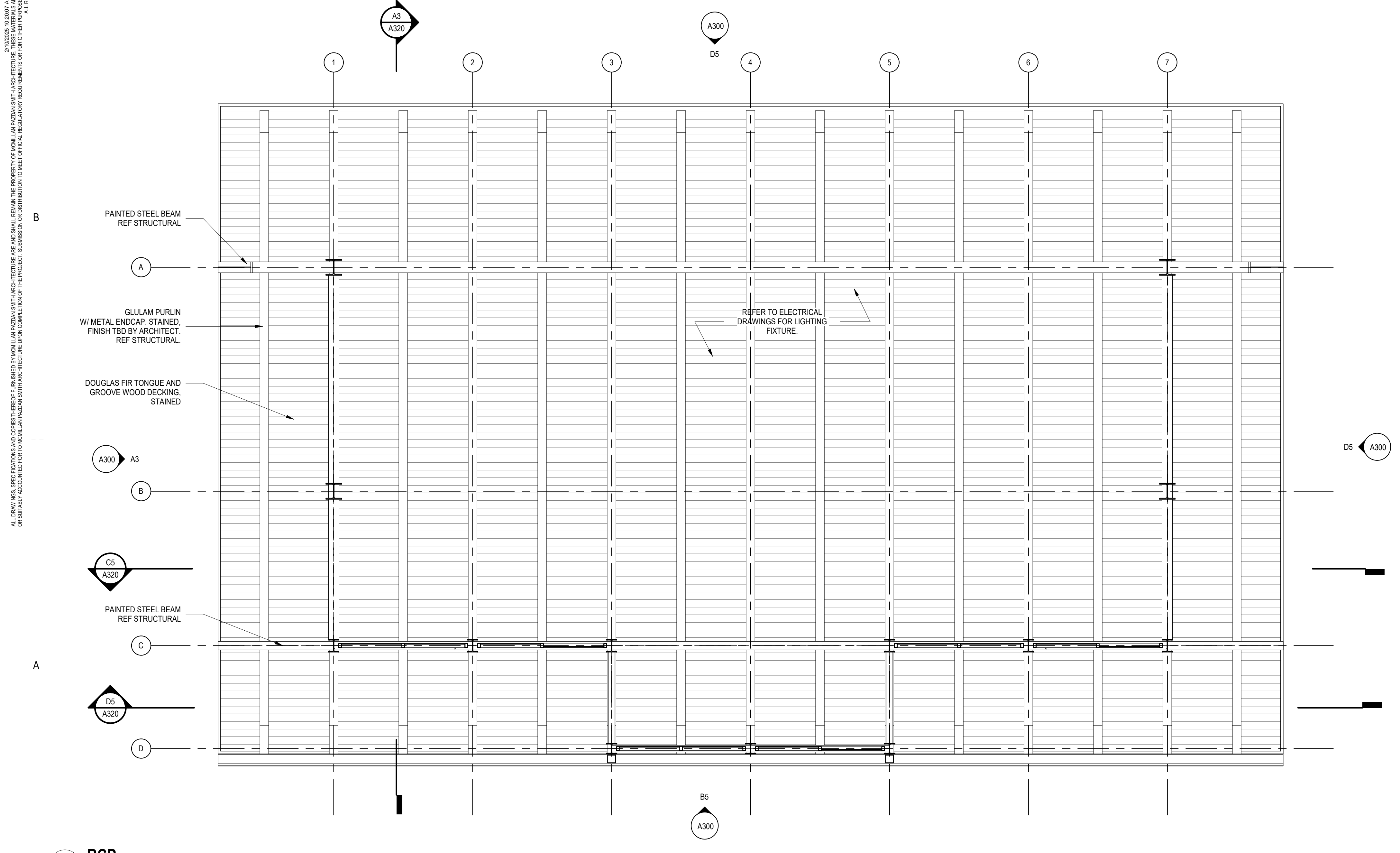
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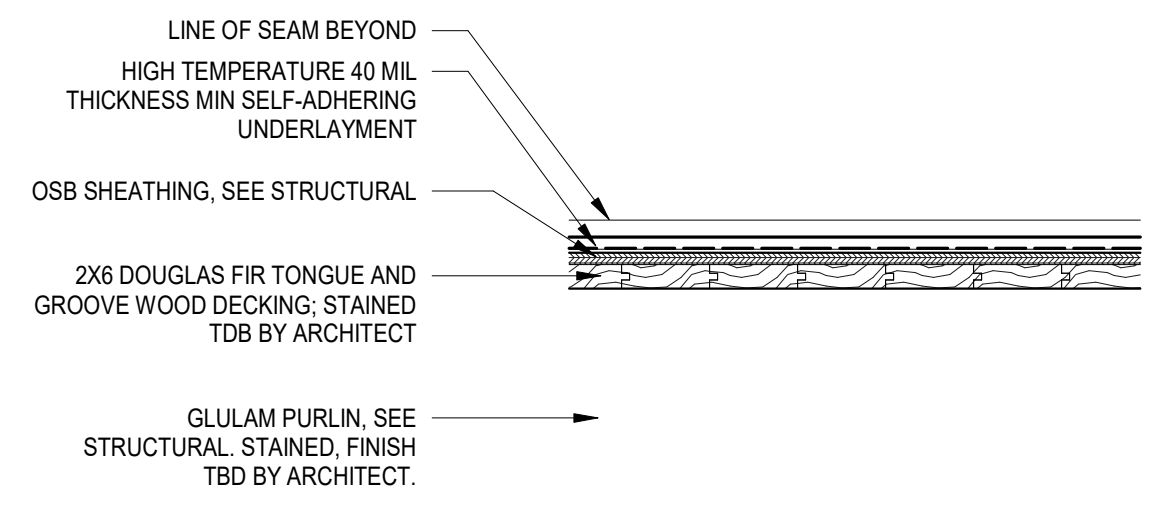
⌘
SITE TO BE CENTERED
ON EXISTING GABLE OF
BUS SHELTER



C5 ROOF PLAN
A120 1/4" = 1'-0"

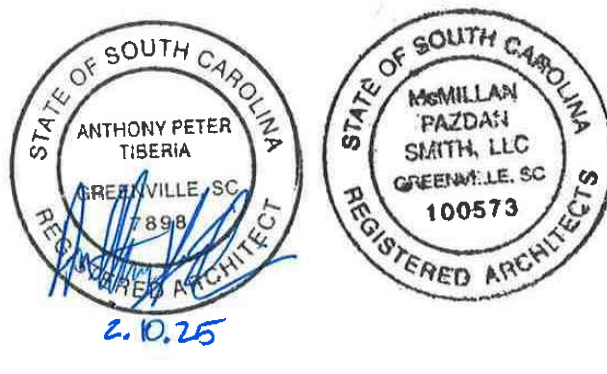


A5 RCP
A120 1/4" = 1'-0"



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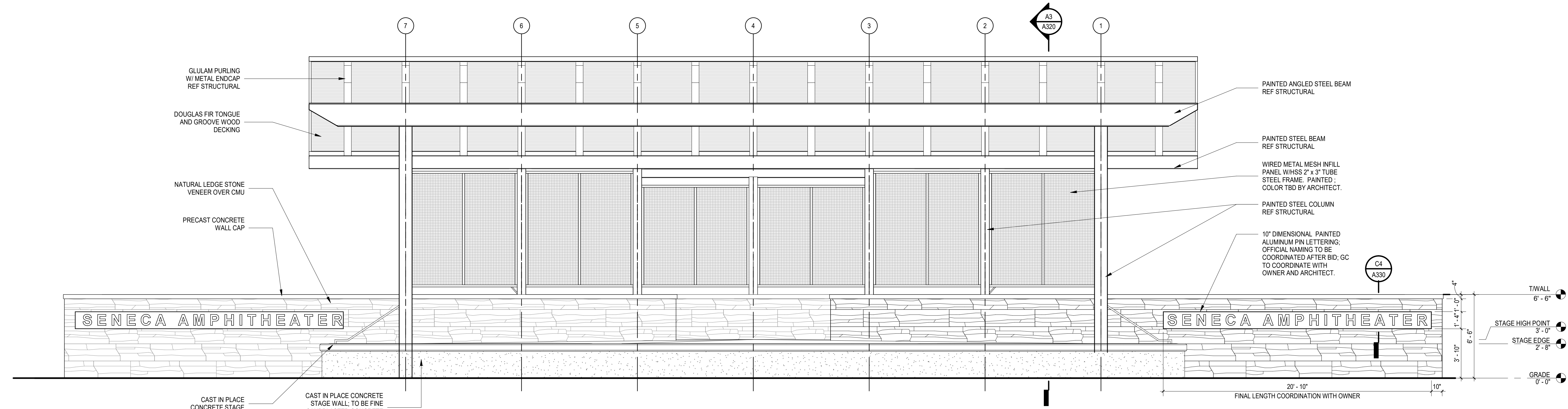
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PROJECT ARCHITECT: AT
DRAWN BY: JD

SHEET TITLE:
ROOF PLAN AND RCP

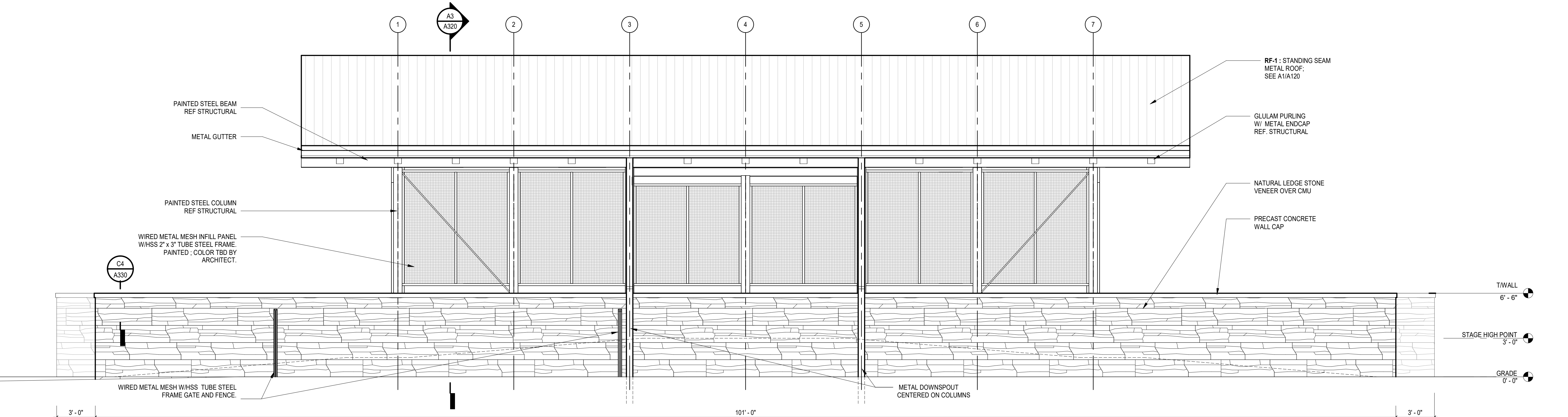
SHEET NO. PROJ. NO.
023183.02

A120

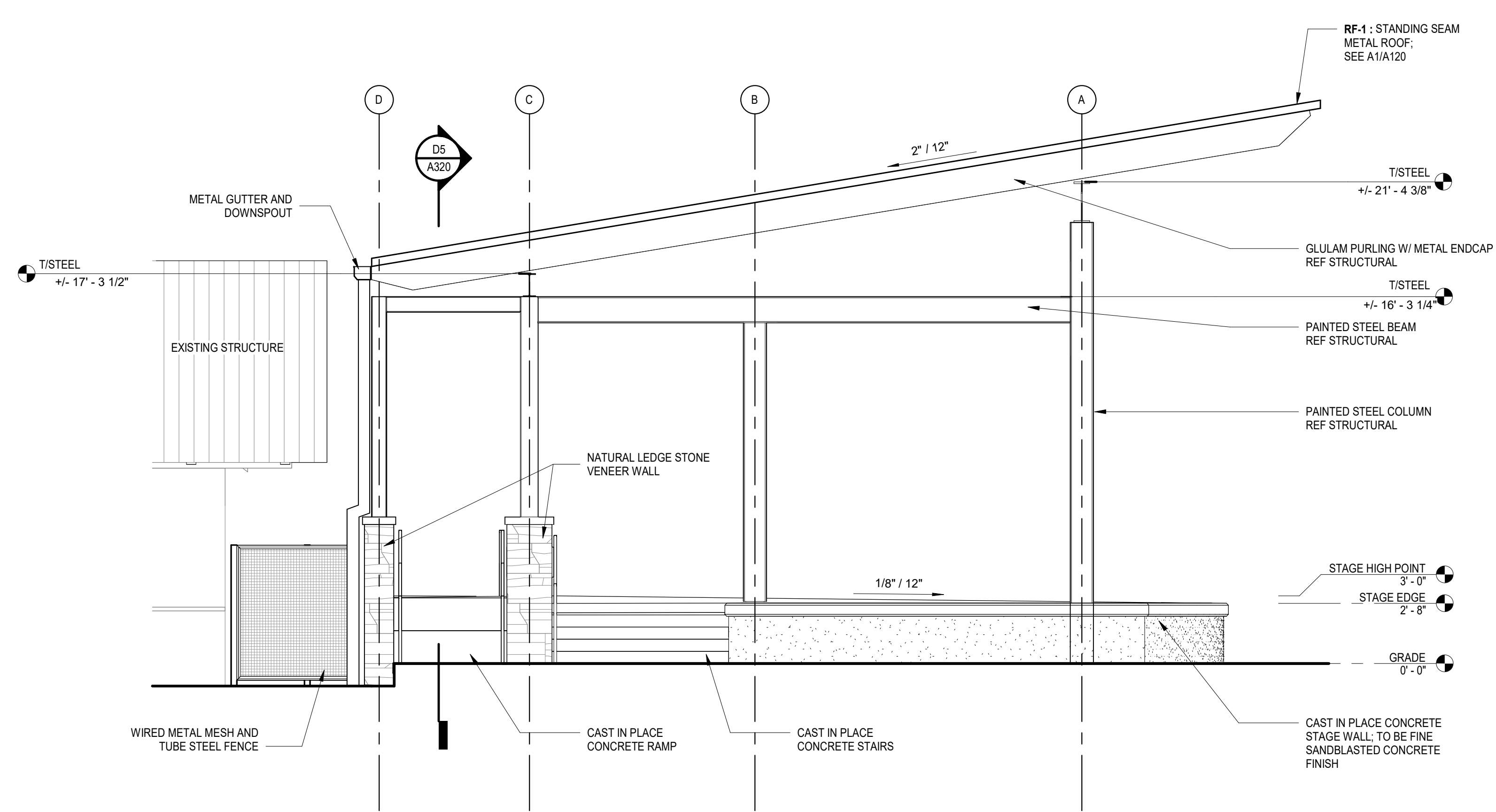
A1 ROOF TYPE-R1 STANDING SEAM METAL ROOF
A120 1" = 1'-0"



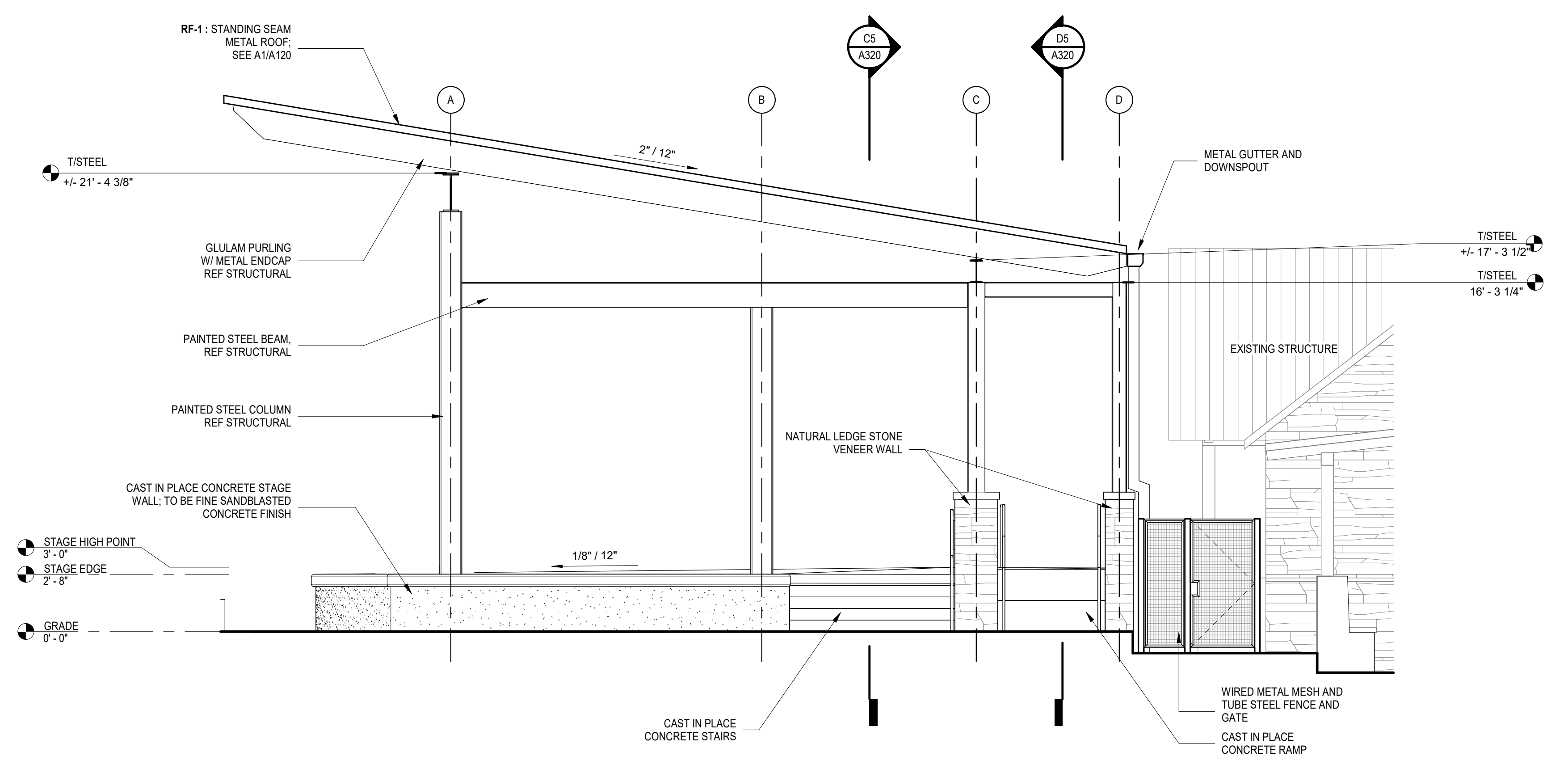
D5 A300 NORTH ELEVATION 1/4\" = 1'-0"



B5 A300 SOUTH ELEVATION 1/4\" = 1'-0"



A5 A300 EAST ELEVATION 1/4\" = 1'-0"



A3 A300 WEST ELEVATION 1/4\" = 1'-0"

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PRINCIPAL IN CHARGE: AT
 PROJECT ARCHITECT: AT
 DRAWN BY: JD

SHEET TITLE:
OVERALL BUILDING ELEVATIONS

SHEET NO. PROJ. NO.
 A300 023183.02

A300

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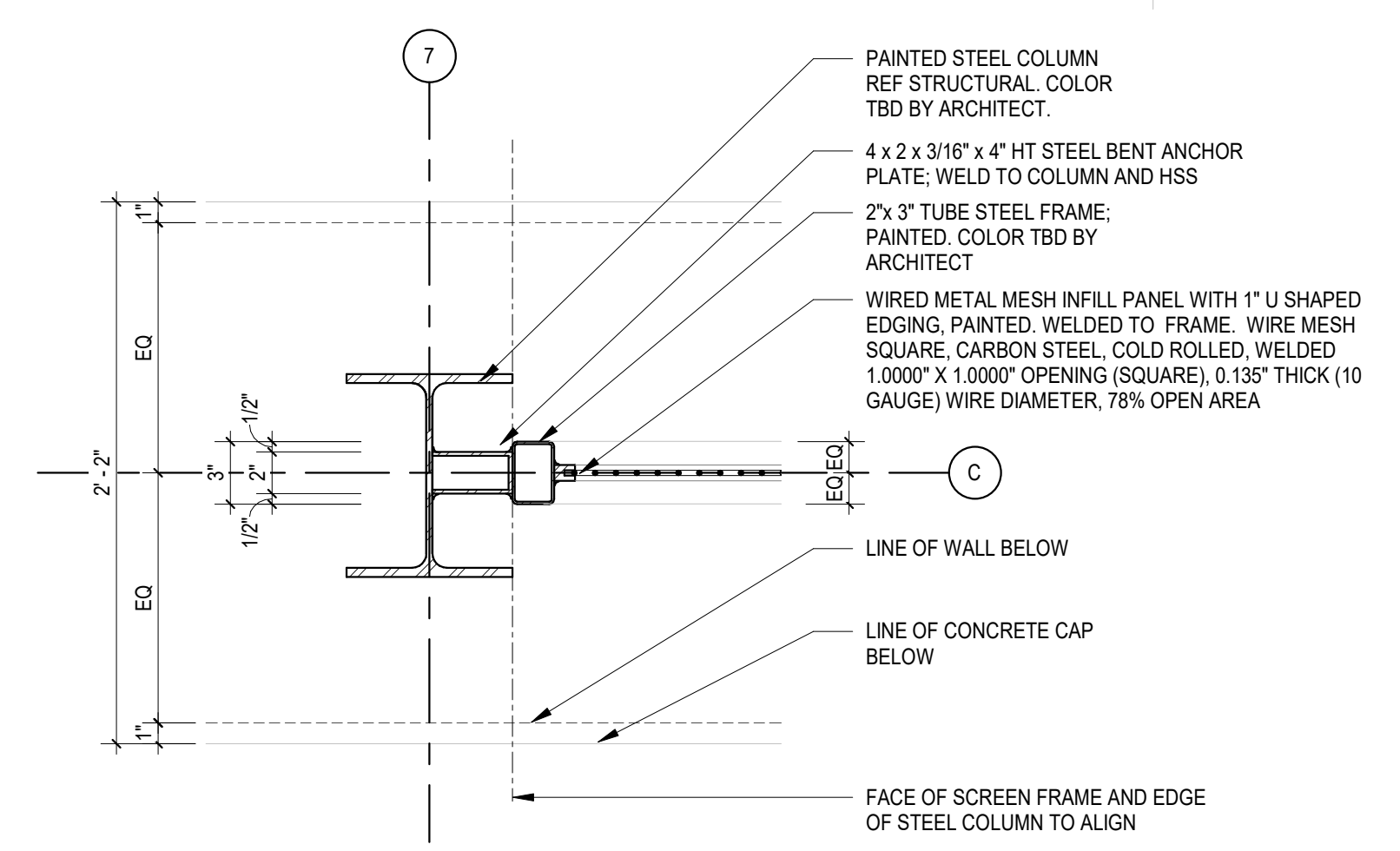
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PROJECT ARCHITECT: AT
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SHEET TITLE:
ENLARGED BUILDING ELEVATIONS

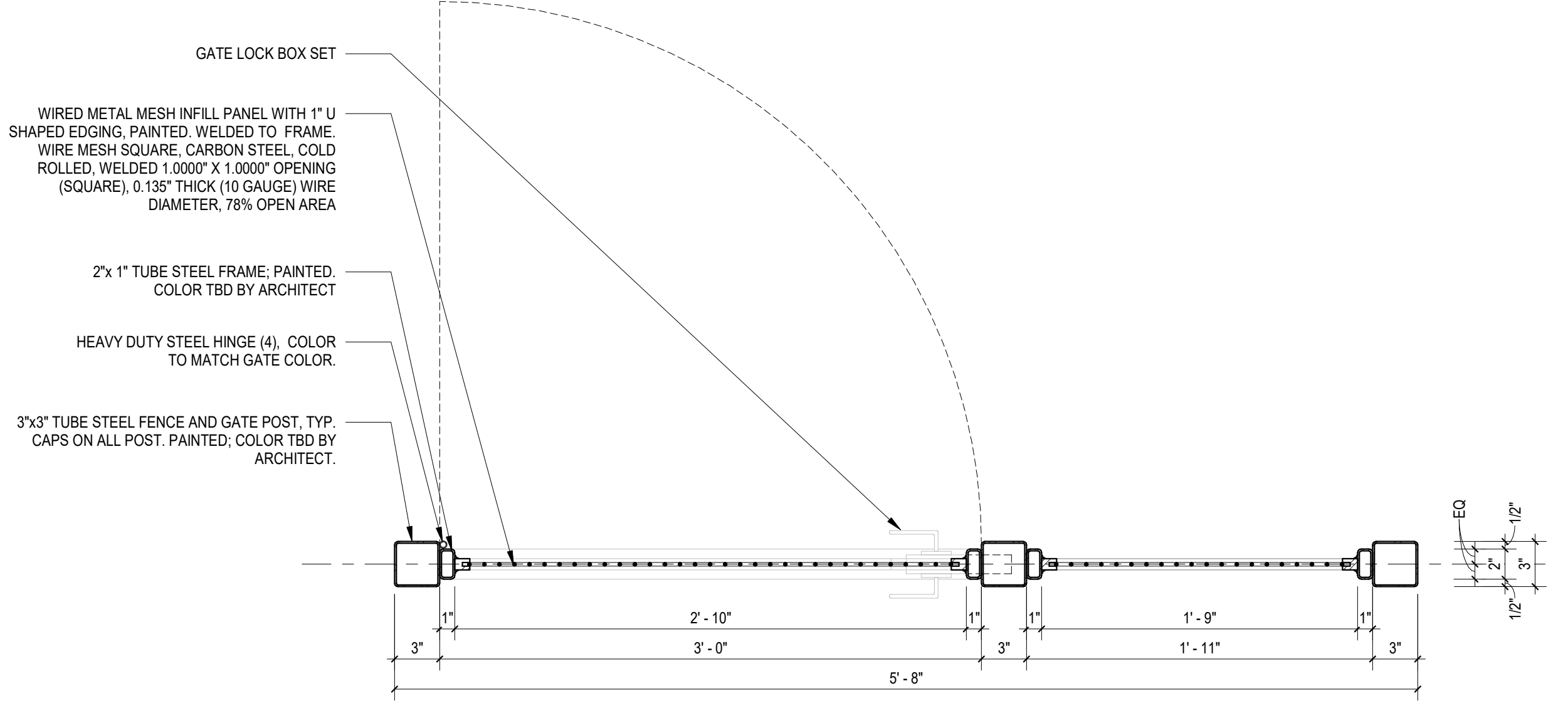
SHEET NO. PROJ. NO.
A310 023193.02

A310

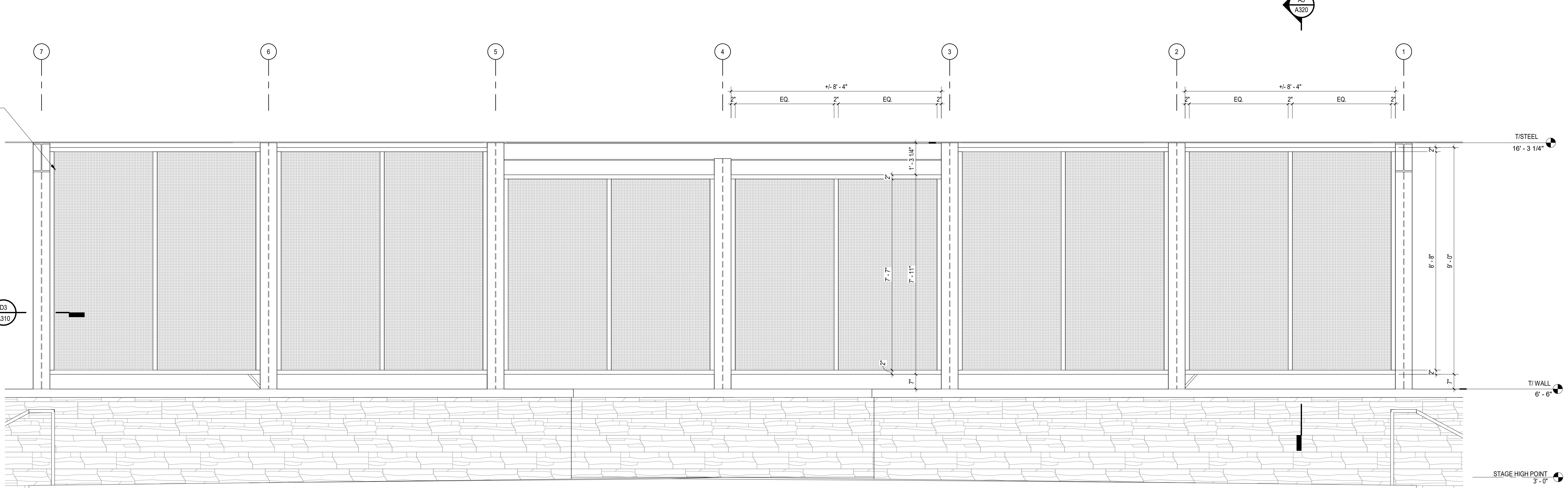
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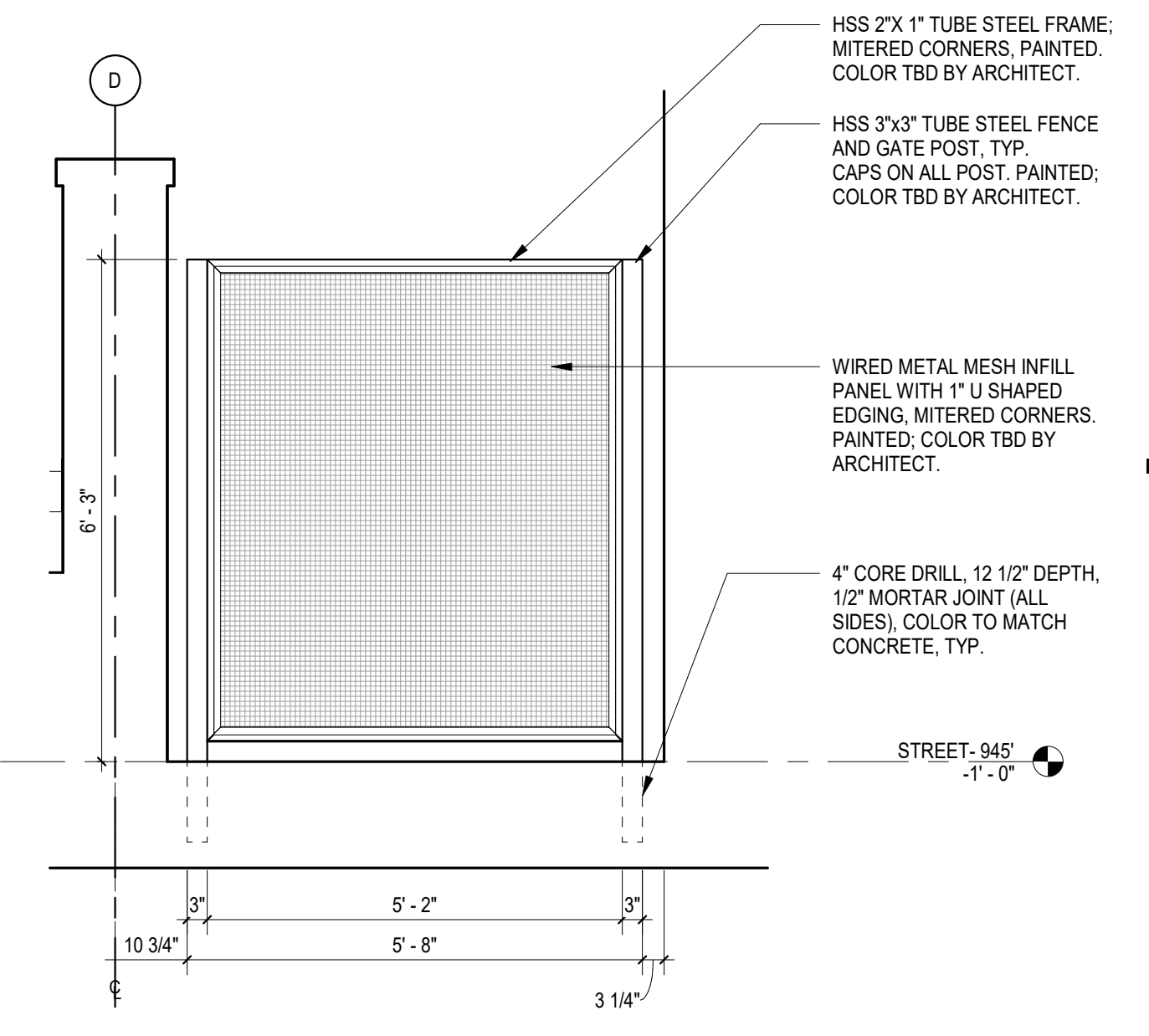
D3 SECTION DETAIL - TYPICAL STAGE SCREEN ATTACHMENT
A310 1 1/2" = 1'-0"



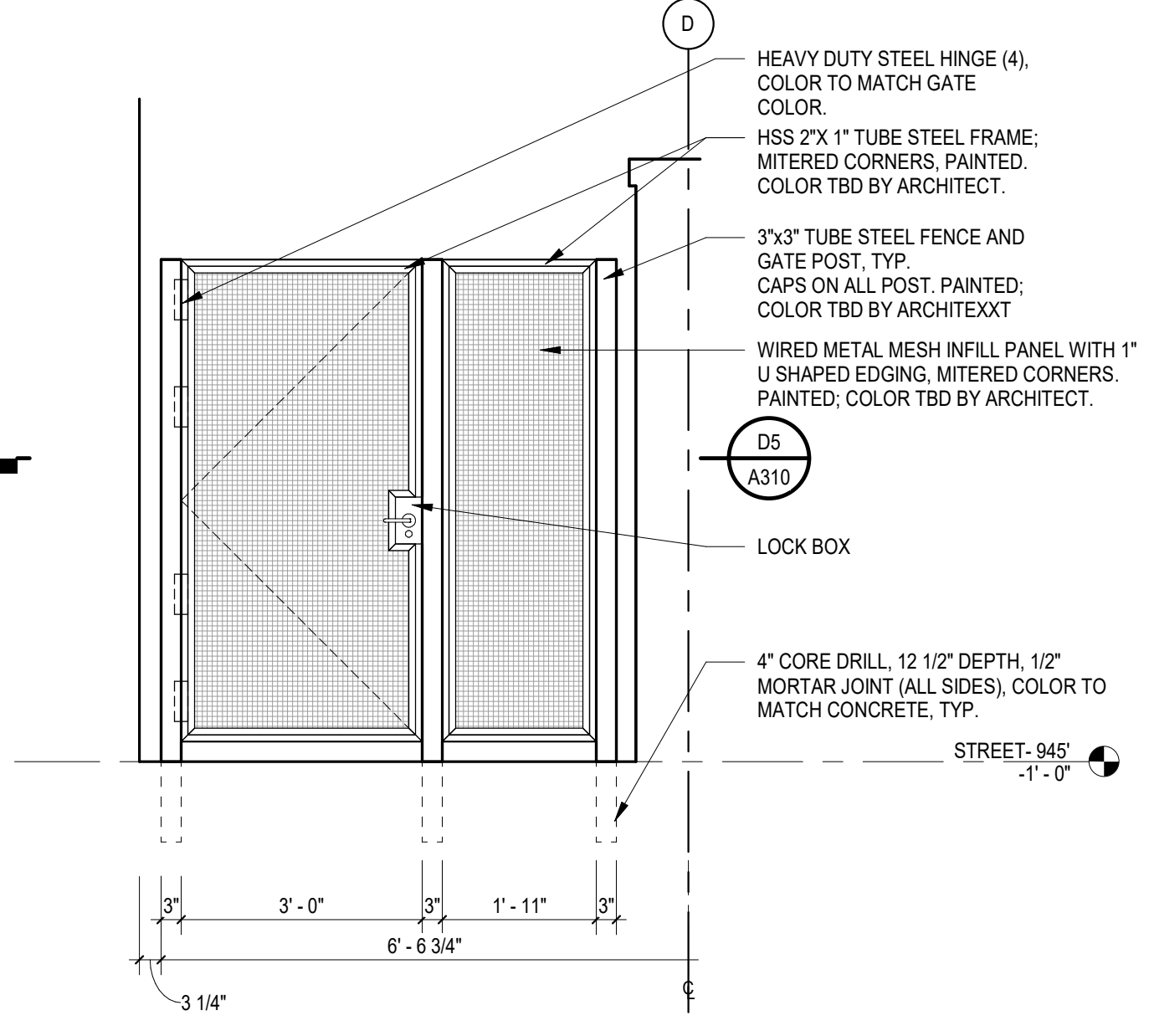
D5 PLAN SECTION - B.O.H. FENCE AND GATE
A310 1 1/2" = 1'-0"



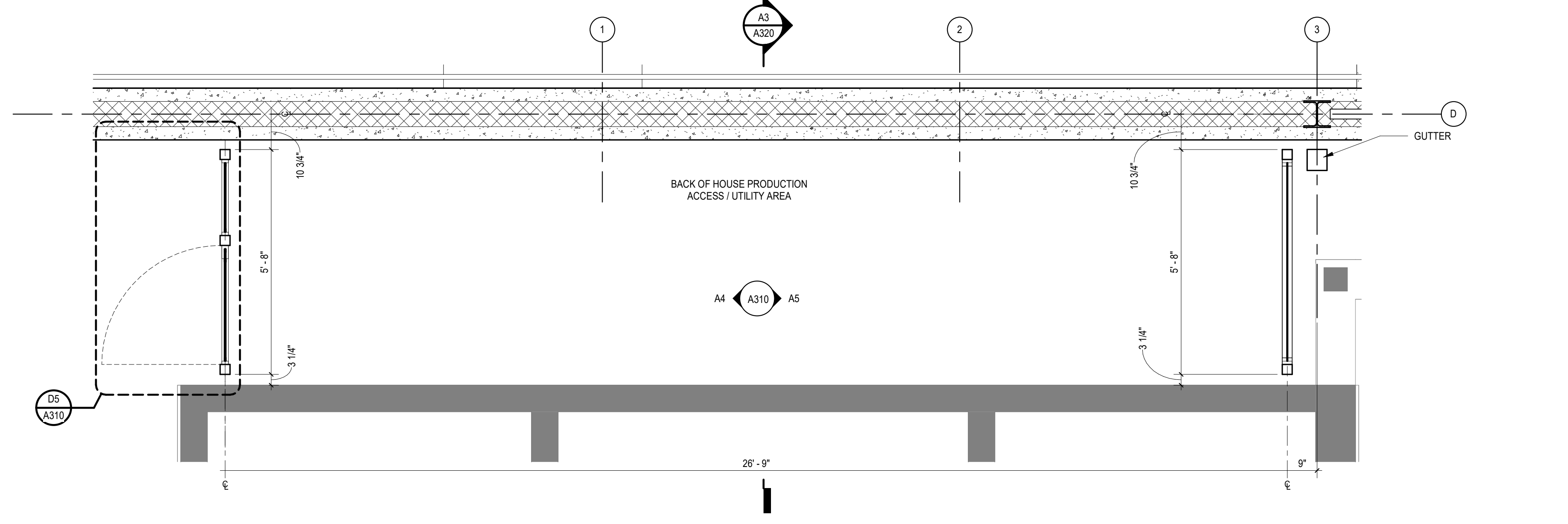
B5 ENLARGED ELEVATION - STAGE SCREEN
A310 1 1/2" = 1'-0"



A5 EXTERIOR ELEVATION - B.O.H. FENCE
A310 1 1/2" = 1'-0"

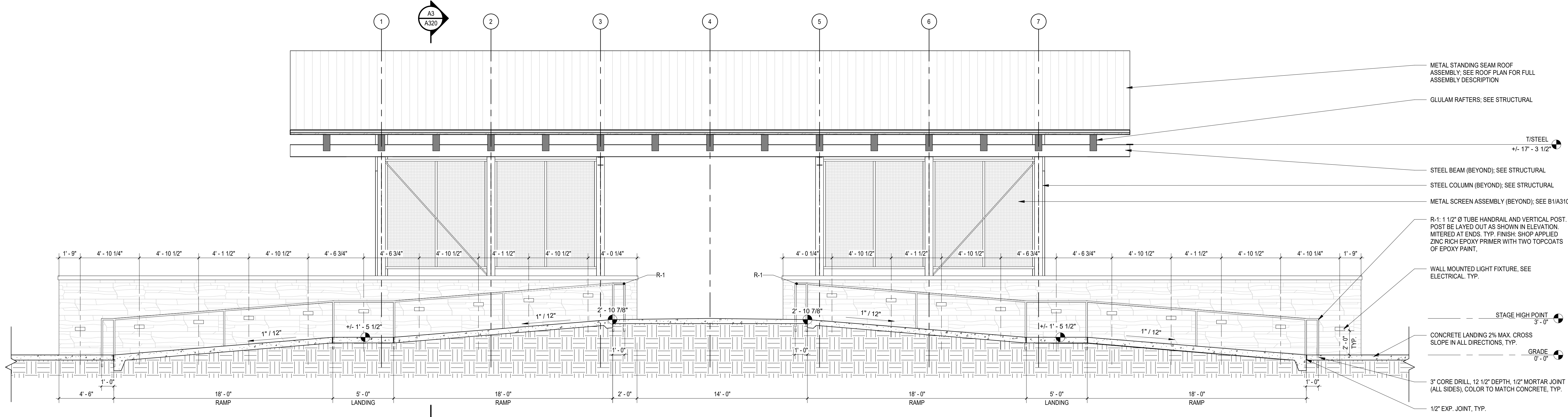


A4 EXTERIOR ELEVATION - B.O.H. FENCE AND GATE
A310 1 1/2" = 1'-0"

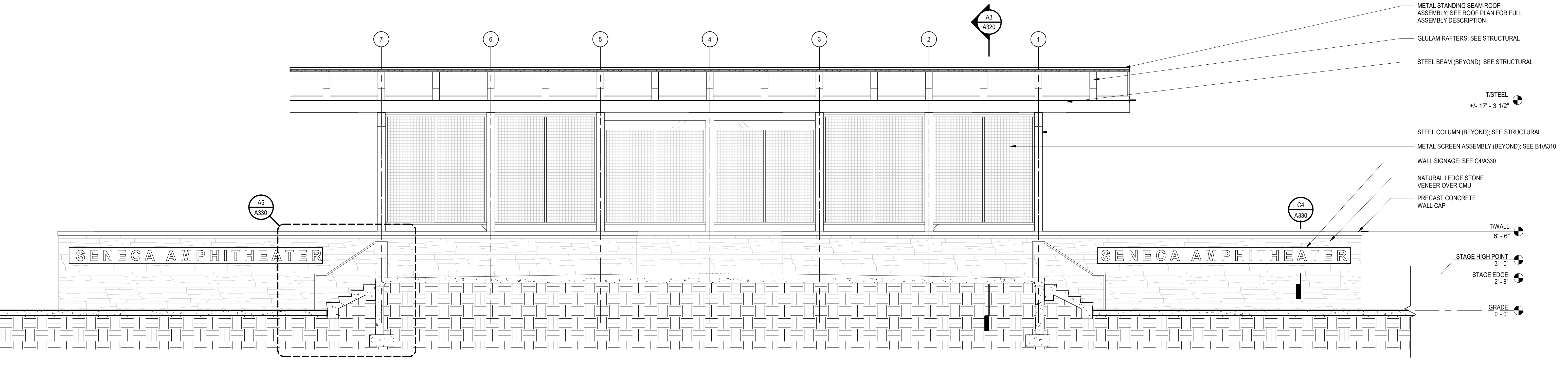


A3 ENLARGED PLAN - BACK OF HOUSE PRODUCTION
A310 1 1/2" = 1'-0"

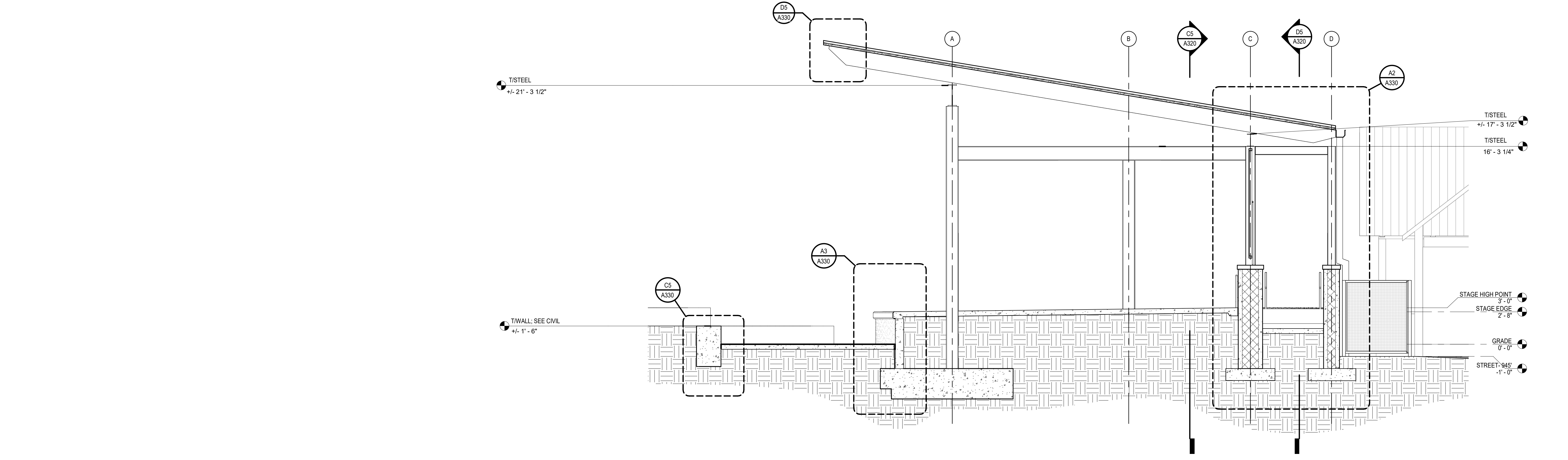
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D5 BUILDING SECTION AT STAGE RAMP
 A320 1/4" = 1'-0"



C5 BUILDING SECTION AT STAGE STAIR
 A320 1/4" = 1'-0"

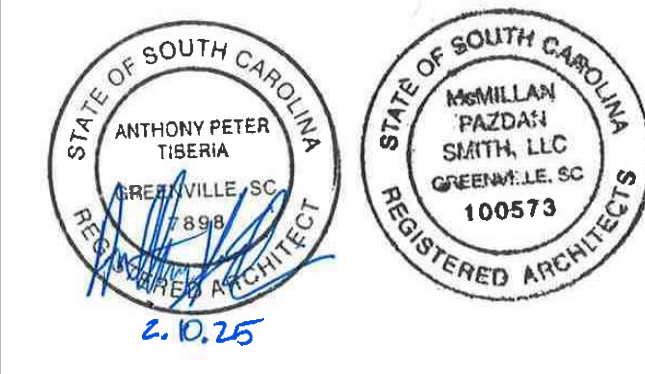


A3 BUILDING SECTION - NORTH / SOUTH
 A320 1/4" = 1'-0"



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 PROJECT ARCHITECT: AT
 DRAWN BY: JD

SHEET TITLE:
OVERALL BUILDING SECTIONS

SHEET NO. PROJ. NO.
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A320

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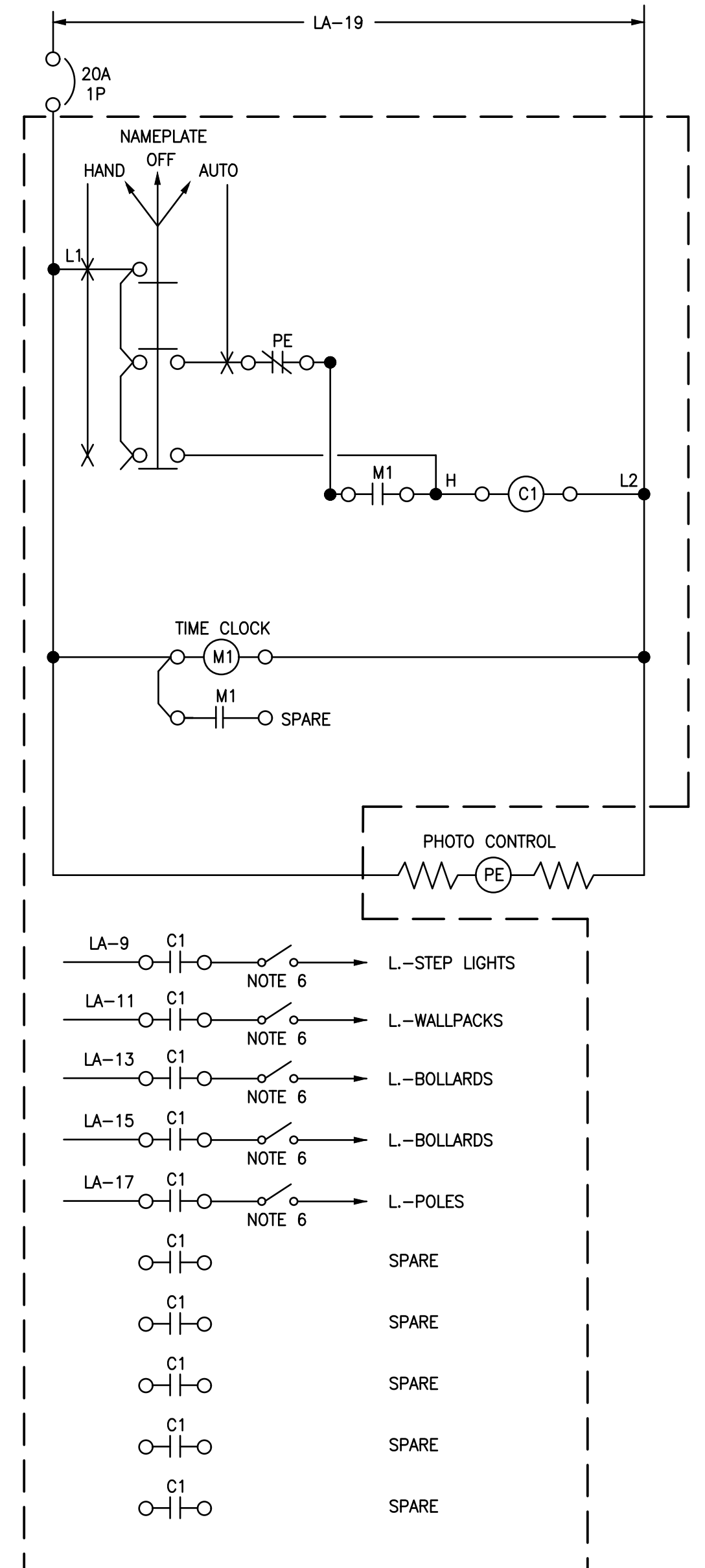
ELECTRICAL SYMBOLS

- 20A 125V, 2P, 3W, NEMA 5-20R, DUPLEX, TAMPER RESISTANT RECEPTACLE MTD. 18" ABOVE FLOOR UNLESS NOTED OTHERWISE. SEE ABBREVIATIONS BELOW FOR DESIGNATIONS:
- WP - WEATHERPROOF IN-USE
- G - GROUND FAULT INTERRUPTER
- +12" - MOUNTED AT 12" AFF
- ☉ SAME AS ☉ ABOVE EXCEPT QUADRUPEX TYPE.
- ⊕ SPECIAL PURPOSE RECEPTACLE. VERIFY ELECTRICAL EQUIPMENT REQUIREMENTS WITH EQUIPMENT BEING SUPPLIED PRIOR TO INSTALLATION.
- ⊕ JUNCTION BOX. SIZE AS REQUIRED TO FIT APPLICATION.
- THEATRICAL LIGHTING SYSTEM. LENGTH OF BATON AND QUANTITY OF FIXTURES AS SHOWN.
- ◀ LED FLOODLIGHT MOUNTED ON BEAM.
- WALL MOUNTED EXTERIOR AREA LIGHT FIXTURE.
- ⊙ GROUND MOUNTED DECORATIVE POLE OR BOLLARD FIXTURE WITH CONCRETE BASE.
- ⊙ SINGLE POLE LIGHTING SWITCH, 40" AFF, 120/277 VOLT, 20 AMP, SPEC GRADE, "T" RATED.

- HOMERUN TO ELECTRICAL PANEL. HOMERUN NOTE (A-7) INDICATES PANEL DESIGNATION AND RELATIVE CIRCUIT NUMBER. UNLESS NOTED OTHERWISE, CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT. HATCH MARKS INDICATE THE QUANTITY OF CONDUCTORS REQUIRED. SHORT HATCH MARKS REPRESENT HOT CONDUCTORS OR SWITCHED LEGS. LONG HATCH MARKS REPRESENT THE NEUTRAL CONDUCTOR. ALL BRANCH CIRCUITS SHALL CONTAIN A #12 INSULATED GREEN GROUND CONDUCTOR. PROVIDE ALL WIRING REQUIRED TO ACCOMPLISH CIRCUITRY AS INDICATED. NO HATCH MARKS INDICATE 2#12, #12G-3/4".
- BRANCH CIRCUIT WIRING CONCEALED IN WALL OR CEILING SPACE.
- BRANCH CIRCUIT WIRING CONCEALED IN FLOOR OR UNDERGROUND.
- CONDUIT RUN TURNED DOWN OR AWAY FROM OBSERVER.
- CONDUIT RUN TURNED UP OR TOWARDS OBSERVER.
- CAPPED CONDUIT.
- ~ FLEXIBLE CONNECTION TO EQUIPMENT.
- ELECTRICAL PANEL, 208/120V, MOUNTING AS INDICATED. COORDINATE EXACT LOCATION IN FIELD.

ELECTRICAL SPECIFICATIONS

1. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO SHOW APPROXIMATE LOCATIONS. ELECTRICAL WORK SHALL NOT INTERFERE WITH CLEARANCES REQUIRED FOR GENERAL AND MECHANICAL CONSTRUCTION. ANY CORRECTIONS WILL BE MADE BY THE ELECTRICAL CONTRACTOR AT NO COST TO THE OWNER.
2. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE IBC AND THE NATIONAL ELECTRICAL CODE, LATEST EDITIONS, AND ALL APPLICABLE STATE AND LOCAL CODES. ALL WORK SHALL BE ACCOMPLISHED IN A NEAT AND PROFESSIONAL MANNER.
3. ALL MATERIALS SHALL BE NEW AND SHALL BEAR THE U/L LABEL.
4. ALL TERMINALS SHALL BE RATED FOR 75 DEGREES CELSIUS COPPER WIRE.
5. RECEPTACLES SHALL BE OF THE GROUNDING TYPE WITH GROUND CONNECTION MADE THROUGH AN EXTRA POLE WHICH SHALL BE PERMANENTLY CONNECTED TO THE RACEWAY AND GROUNDING SYSTEMS. COVERPLATES AND COLOR FOR ALL WIRING DEVICES TO BE DETERMINED BY ARCHITECT.
6. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE IN ALL RESPECTS PER FIXTURE SCHEDULE. VERIFY CEILING FINISHES AND SUSPENSION SYSTEMS FOR SELECTION OF PROPER TRIM AND SUPPORT ARRANGEMENTS. INSTALL ALL LIGHT FIXTURES WITH LAMPS AS REQUIRED.
7. LIGHTING FIXTURES SHALL BE SECURELY FASTENED TO THE STRUCTURE BY A MECHANICAL MEANS THAT COMPLIES WITH REQUIREMENTS FOR SEISMIC EVENTS PER ASCE 7.16.
8. ALL WIRING SHALL BE CONCEALED WHERE POSSIBLE AND INSTALLED IN SUITABLE RACEWAYS. EMT SHALL BE USED (3/4" MIN) FOR LIGHTING AND POWER BRANCH CIRCUITRY. EMT SHALL BE USED FOR EQUIPMENT FEEDERS. SCHEDULE 40 PVC SHALL BE USED UNDERGROUND.
9. ALL WIRE SHALL BE SINGLE CONDUCTOR STRANDED, COPPER SIZED AS INDICATED ON THE DRAWINGS. MINIMUM SIZE SHALL BE #12 AWG.
10. SOLID WIRE MAY BE USED FOR #12 AWG AND #10 AWG WIRE USED ON LIGHTING FIXTURES, RECEPTACLES AND SWITCHES ONLY.
11. INSULATION OF WIRE SHALL BE 75 DEGREES CELSIUS (THHN, THWN), 600 VOLT.
12. UNLESS INDICATED ON THE DRAWINGS, ALL WIRING SHALL BE #12 AWG. CONTRACTOR SHALL CONFIRM AND ROUTE THE PROPER QUANTITY OF WIRES AND SIZE OF CONDUIT TO FIT THE APPLICATION AND THE CIRCUITRY INDICATED.
13. CONTRACTOR SHALL PROVIDE A PROPERLY SIZED, GREEN COLORED INSULATED GROUNDING CONDUCTOR IN ALL CONDUITS. THIS CONDUCTOR IS NOT INDICATED IN THE HATCH MARKS ON THE CONDUIT RUNS ON THE PLANS.
14. INSTALL A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NEC ARTICLE 250 AND THESE SPECIFICATIONS. GROUNDING SYSTEM SHALL BE ELECTRICALLY CONTINUOUS THROUGHOUT.
15. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE LOCAL POWER UTILITY COMPANY FOR ALL COST REQUIREMENTS AND METHODS FOR THE NEW SERVICE INDICATED. PROVIDE ALL MATERIALS AND LABOR AS DIRECTED BY THE LOCAL UTILITY SERVICE FOR A COMPLETE AND OPERABLE INSTALLATION.
16. PANELBOARDS SHALL BE PROVIDED WITH DISTRIBUTIVE PHASING AND RATINGS AND BREAKER REQUIREMENTS AS PER SCHEDULES. LABEL ALL PANELS AND PROVIDE TYPED CIRCUIT DIRECTORIES.

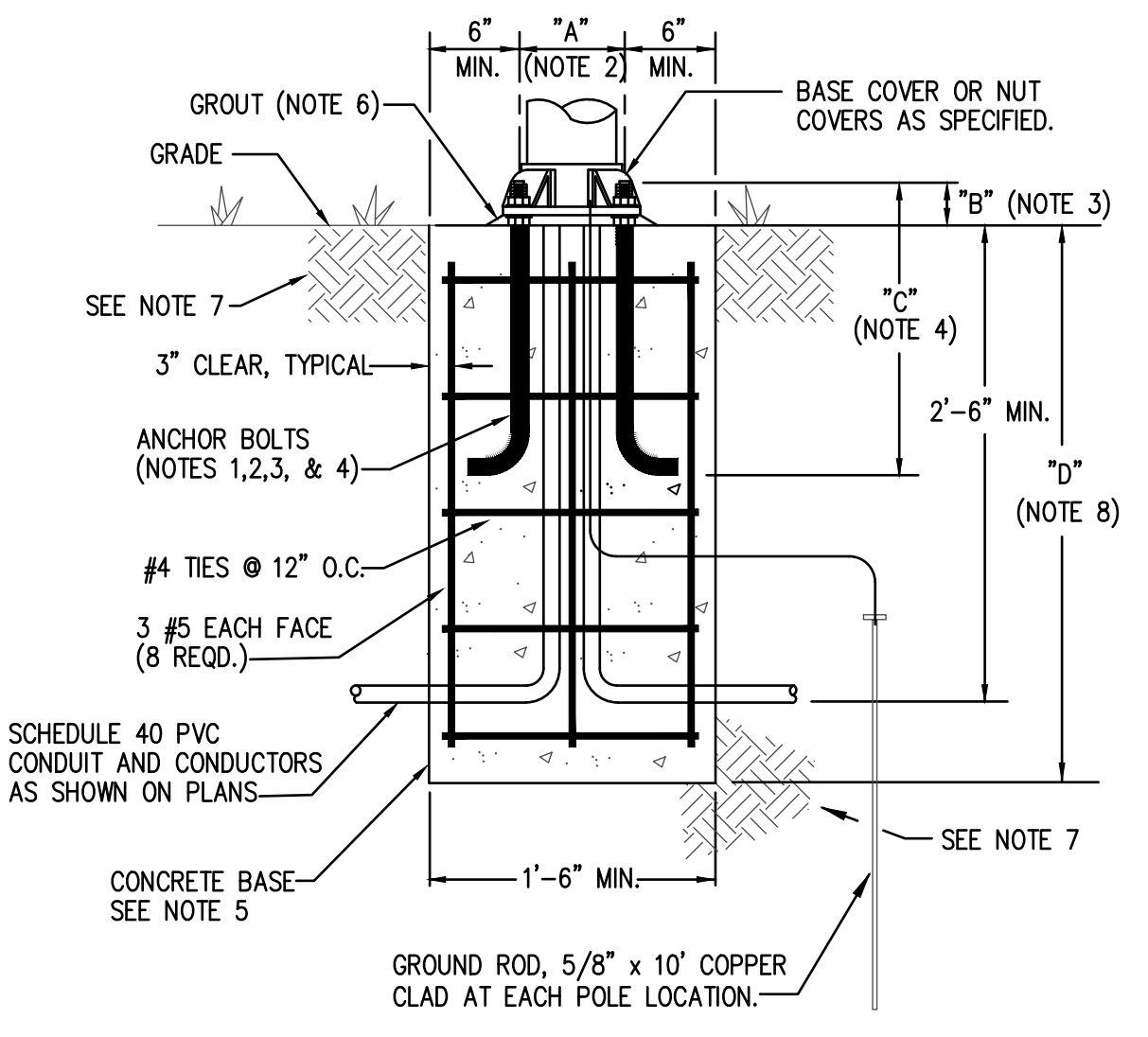


- NOTES:**
1. EXTERIOR LIGHTING CONTROLLER IS TO BE NEMA 1 ENCLOSURE, SIZED AS REQUIRED. PROVIDE ENGRAVED NAMEPLATE ON DOOR.
 2. H-O-A SWITCH IS TO BE ALLEN BRADLEY CAT. NO. 800H-RH3A, OIL TIGHT TYPE OR APPROVED EQUAL. MOUNT SWITCH ON DOOR AND PROVIDE NAMEPLATE ENGRAVED AS SHOWN.
 3. CONTACTOR IS TO BE SQUARE D CLASS 8903 TYPE L ELECTRICALLY HELD LIGHTING CONTACTOR OR APPROVED EQUAL. CONTACTS ARE TO BE 30A CONTINUOUS RATED, QUANTITY AS SHOWN.
 4. PHOTO CONTROL IS TO BE TORK 2101, 120V, 2000W, SPST OR APPROVED EQUAL. MOUNT ON HIGHEST PRACTICAL POINT FACING NORTH.
 5. TIMECLOCK IS TO BE TORK #1101, 120V, SPST OR APPROVED EQUAL. COORDINATE W/ OWNER FOR MOUNTING LOCATION.
 6. FURNISH AND INSTALL A SINGLE POLE SWITCH IN NEMA 3R ENCLOSURE NEXT TO STAGE LIGHTING SCREEN CONTROLLER FOR INDIVIDUAL MANUAL OVERRIDE OF EXTERIOR AREA LIGHTS.

GENERAL LIGHTING NOTES:

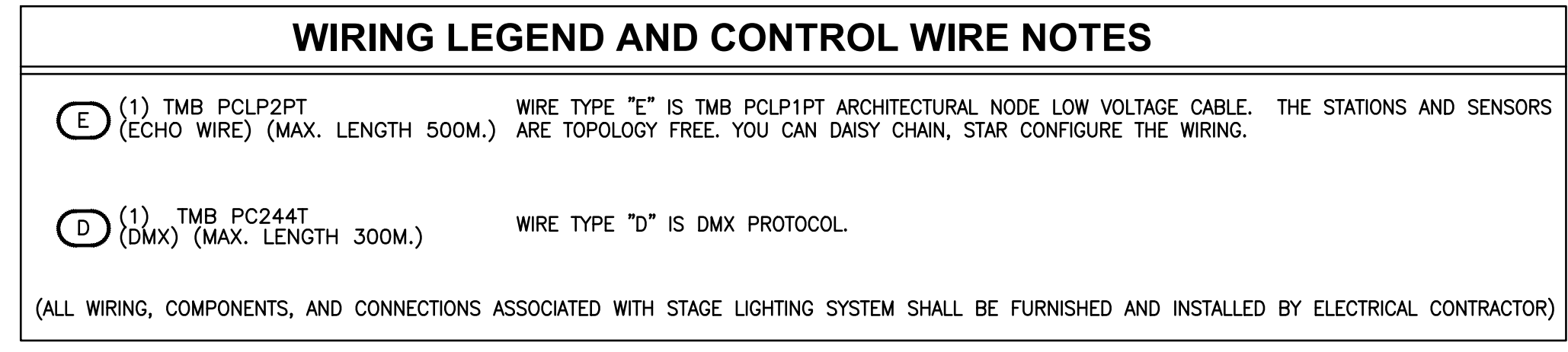
1. ALL FIXTURES TO BE U.L. LISTED. ALL EXTERIOR FIXTURES SHALL HAVE U.L. WET LABEL OR DAMP LABEL AS REQUIRED BY LOCATION. CONTRACTOR SHALL VERIFY BEFORE INSTALLING FIXTURE.
2. CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES, BAR HANGARS, & HARDWARE REQUIRED FOR A COMPLETE SYSTEM.
3. CONTRACTOR TO COORDINATE AND DETERMINE EXACT MOUNTING LOCATIONS OF ALL LIGHT FIXTURES IN FIELD PRIOR TO ROUGH-IN. FIXTURES TO BE UNIFORM AND CONSISTENT IN ALL APPLICATIONS.

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	FIXTURE DESCRIPTION	ACCEPTABLE MANUFACTURERS	LAMPS (13,800 LUMENS)	FIXTURE WATTAGE	VOLTAGE	
AL	DECORATIVE POST TOP LED FIXTURE WITH CAST LOGO CAGE "S" LOGOS, OPAL ACRYLIC CAGE INSERTS AND "E" FITTER, NARROW BODY REFRACTIVE GLOBE, CLEAR ROOF, 64 LED 4000K, WIDE OPTICS, TYPE 5 DISTRIBUTION, 12" FLUTED POLE WITH FOUR (4) BANNER ARM PROVISIONS, RECEPTACLE MOUNTED IN BASE. FINISH BY ARCHITECT.	FIXTURE: HADCO # RL52-B-A-B-A-1-A-W-E-NN-A-5-NNNN-SP1 POLE: HADCO # SS419K-ASWEN74064ASNNNA(FINISH)		105	MULTI	
BL	LED BOLLARD FIXTURE WITH LOUVERS MOUNTED ON CONCRETE PEDESTAL. UL WET LOCATION LISTED. FINISH BY ARCHITECT.	PERFORMANCE LIGHTING # KHA-42-19-F-35K-UNV-LVR	LED	20	MULTI	
RL	SURFACE MOUNTED, BENDABLE, LED ACCENT LIGHT STRIP MOUNTED IN COVE ABOVE SIGNAGE. UL WET LOCATION LISTED. LENGTH AS SHOWN.	KELVIX # SW3S-LENGTH-RGBW-HZ	LED	5W/FT	MULTI	
SL	RECESSED STEP LIGHT WITH STAINLESS STEEL LINED LENS. UL WET LOCATION LISTED. FINISH BY ARCHITECT.	LUMUX # SL632SS	LED	10	MULTI	
TL	BATON MOUNTED, LED FLOODLIGHT WITH STANDARD DRIVER. UL WET LOCATION LISTED. MOUNT FIXTURES TO LIGHT BATON (FURNISHED BY CONTRACTOR) SHOWN ON DRAWING. FINISH BY ARCHITECT.	INSIGHT LIGHTING # PS6-HO-RGB30-0-60-TR-120-DMFX-TBL-CRF-TP-PNP	LED	30	MULTI	
UL	SURFACE MOUNTED, COLOR CHANGING LED FLOODLIGHT WITH MULTI-COLOR DRIVER. UL WET LOCATION LISTED. FINISH BY ARCHITECT.	INSIGHT LIGHTING # PS9-HO-RGB30-0-40-KN-120-DMFX-TBL-CRF-VS-TP	LED	30	MULTI	
WP	WALL-PAK, PRISMATIC GLASS REFLECTOR, DARK BRONZE HOUSING, U.L. WET LOCATION. FINISH BY ARCHITECT.	BROWNLEE # 79005-MD-P8OLED	LED	80	MULTI	

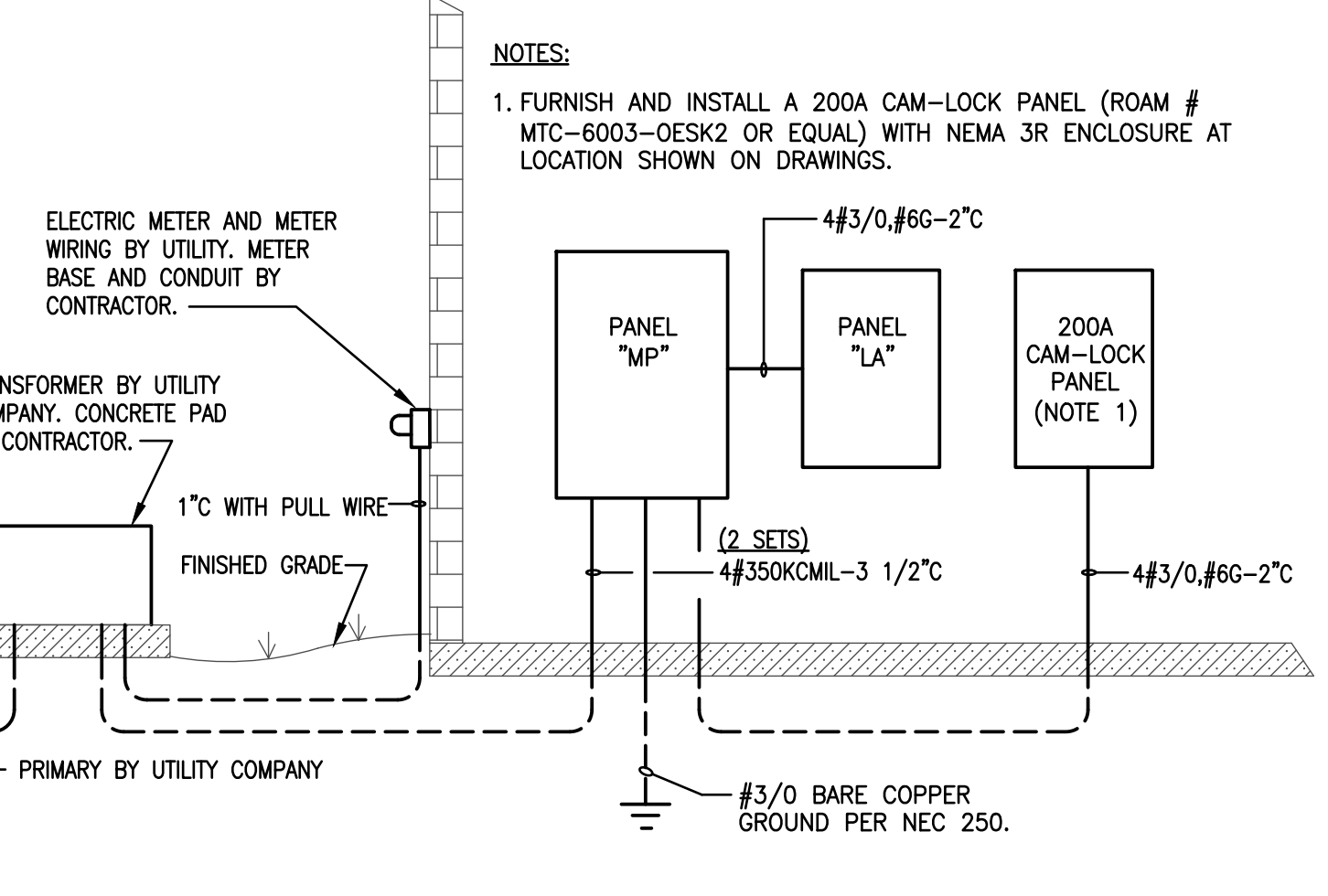
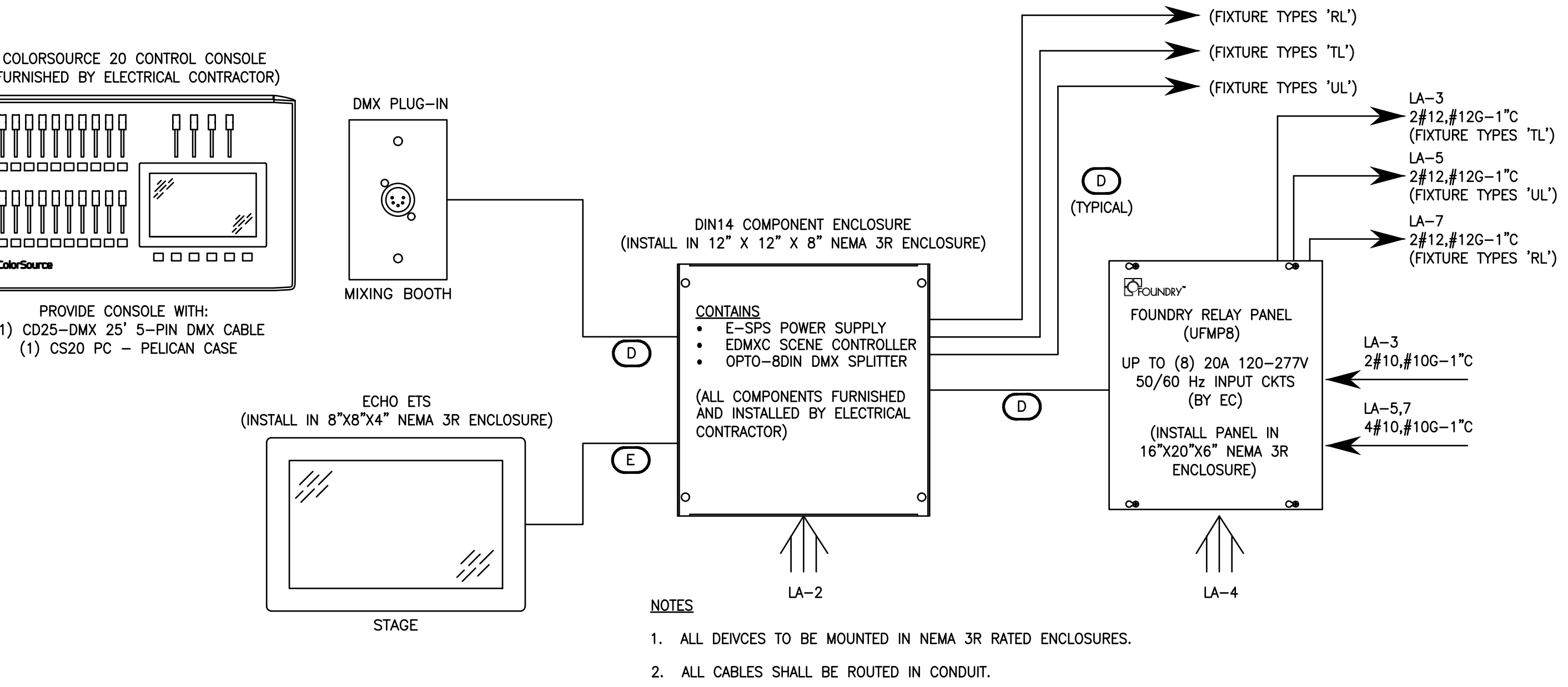


- NOTES:**
1. POLE SHALL BE PROVIDED WITH MINIMUM OF FOUR ANCHOR BOLTS WITH DOUBLE NUTS, DOUBLE FLAT WASHERS, AND ONE LOCK WASHER SIZED TO MATCH EACH ANCHOR BOLT. ALL NUTS, WASHERS, AND BOLTS SHALL BE HOT DIPPED GALVANIZED.
 2. ANCHOR BOLT GAGE, DIMENSION "A", SHALL BE AS REQUIRED BY POLE MANUFACTURER. EXACT LOCATION OF ANCHOR BOLTS SHALL BE DETERMINED BY CONTRACTOR AFTER POLES ARE PURCHASED AND BEFORE CONCRETE BASE IS CONSTRUCTED.
 3. BOLT PROJECTION, DIMENSION "B", SHALL BE AS RECOMMENDED BY POLE MANUFACTURER AND SHALL NOT BE LESS THAN 3".
 4. ANCHOR BOLT EMBEDMENT, DIMENSION "C", SHALL BE AS RECOMMENDED BY POLE MANUFACTURER AND SHALL NOT BE LESS THAN 12". ANCHOR BOLT DIAMETER SHALL NOT BE LESS THAN 3/4".
 5. CONCRETE BASE SHALL BE OF MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. REINFORCING BARS SHALL BE DEFORMED STEEL, GRADE 60.
 6. GROUT SHALL BE PRE-BAG MIX NON-SHRINK, NON-METALLIC, 5000 PSI MINIMUM, ONE TO TWO INCHES THICK.
 7. SOIL AROUND FOUNDATION BASE SHALL BE NON-ORGANIC GRANULAR SOIL COMPACTED TO 95% STANDARD PROCTOR (ASTM D-698). TOP 4 TO 6 INCHES MAY BE TOP SOIL OR PAVEMENT.
 8. FOUNDATION EMBEDMENT DEPTH, DIMENSION "D", SHALL BE 15 PERCENT OF POLE HEIGHT ABOVE GRADE, MINIMUM OF 3'-0".
 9. BURIED CONCRETE BASE SHALL BE USED ONLY WHEN POLE IS PROTECTED ON SITE BY BARRIERS OR BY VIRTUE OF LOCATION.

BURIED CONCRETE BASE FOR METAL POLE
E001 N.T.S.



EXTERIOR LIGHTING CONTROLLER 'ELC'
E001 N.T.S.



STAGE LIGHTING CONTROL SCHEMATIC
E001 N.T.S.

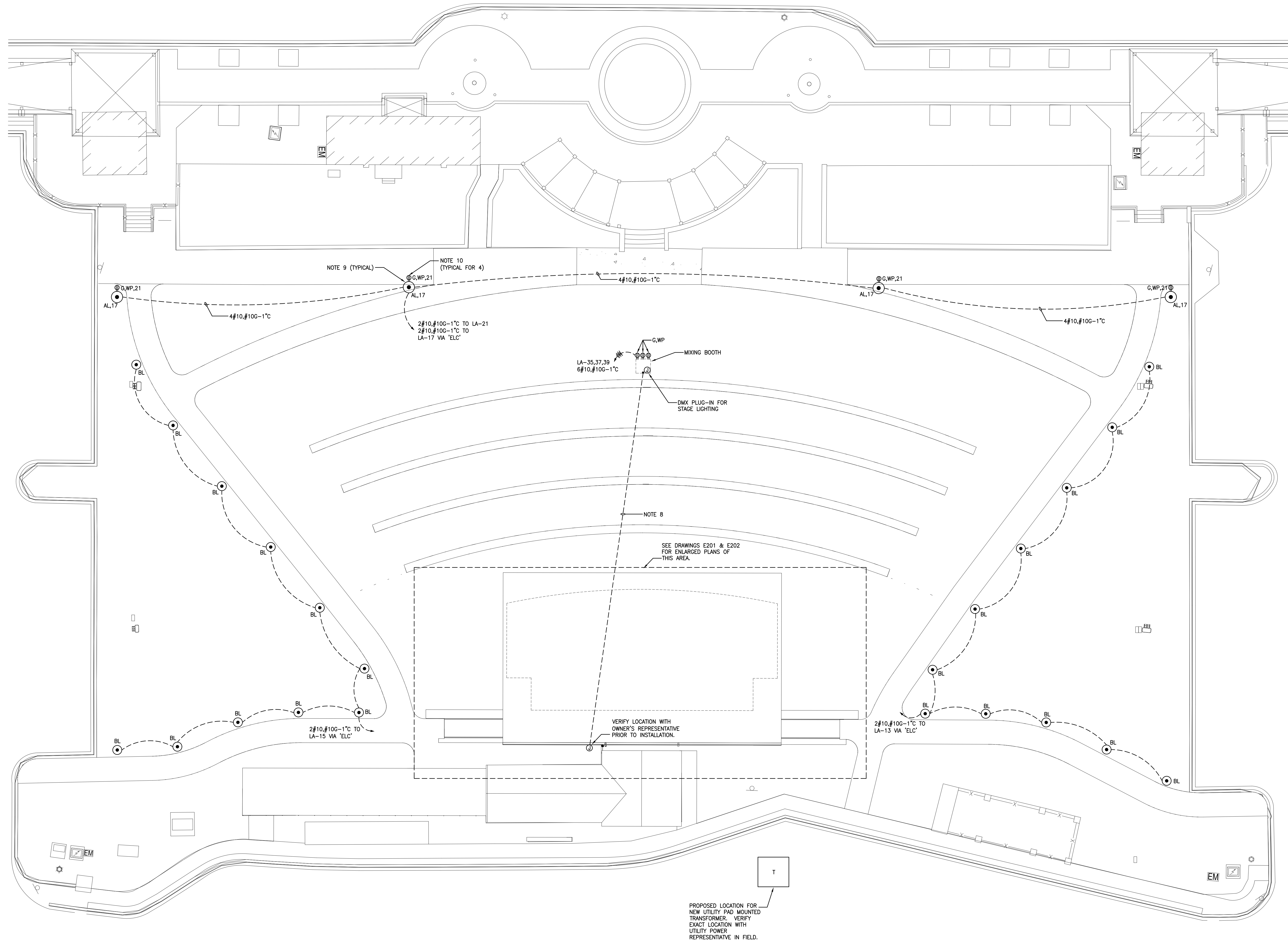
ELECTRICAL RISER DIAGRAM
E001 N.T.S.

PANELBOARD: 'LA'							
MOUNTING: SURFACE		MAINS: MLO		MIN. AIC RATING: 22,000A		FRAME: 200A	
NEMA 3R	TRIP: N/A	TRIP: 200A	TRIP: 200A	TRIP: 200A	TRIP: 200A	TRIP: 200A	TRIP: 200A
LOAD	DESCRIPTION	CKT.	TRIP	TRIP	DESCRIPTION	LOAD	PHASE LOAD VA
							L1 L2 L3
SPARE		1	20	20	2	D14 COMP. ENCLOSURE	500 500
1500	L-STAGE AREA	3	20	20	4	FOUNDRY RELAY PANEL	500 2000
1000	L-STAGE AREA	5	20	20	6	SPARE	1000
500	L-STAGE AREA	7	20	20	8	SPARE	500
250	L-STEP LIGHTS	9	20	20	10	SPARE	250
160	L-WALLPACKS	11	20	20	12	R-STAGE COLUMN	1000 1160
340	L-BOLLARDS	13	20	20	14	R-STAGE COLUMN	1000 1340
300	L-BOLLARDS	15	20	20	16	R-STAGE COLUMN	1000 1300
600	L-POLES	17	20	20	18	R-STAGE COLUMN	1000 1600
500	LIGHT CONTROLLER 'ELC'	19	20	20	20	R-STAGE COLUMN	1000 1500
720	R-POLES	21	20	20	22	R-STAGE COLUMN	1000 1720
SPARE		23	20	20	24	R-STAGE COLUMN	1000 1000
SPARE		25	20	20	26	R-STAGE COLUMN	1000 1000
SPARE		27	20	20	28	R-STAGE COLUMN	1000 1000
SPARE		29	20	20	30	R-STAGE COLUMN	1000 1000
SPARE		31	20	20	32	R-STAGE COLUMN	1000 1000
SPARE		33	20	20	34	R-STAGE COLUMN	1000 1000
1000	R-MIXING BOOTH	35	20	20	36	R-STAGE COLUMN	1000 2000
1000	R-MIXING BOOTH	37	20	20	38	R-STAGE COLUMN	1000 2000
1000	R-MIXING BOOTH	39	20	20	40	R-STAGE COLUMN	1000 2000
180	R-PANELS	41	20	20	42	R-STAGE COLUMN	1000 1180
1000	R-STAGE CEILING	43	20	20	44	R-STAGE BACK WALL	1000 2000
1000	R-STAGE CEILING	45	20	20	46	R-STAGE BACK WALL	1000 2000
1000	R-STAGE CEILING	47	20	20	48	R-STAGE BACK WALL	1000 2000
1000	R-STAGE CEILING	49	20	20	50	R-STAGE BACK WALL	1000 2000
2500	R-DRY PLUG	51	50	50	52	R-STAGE BACK WALL	1000 3500
2500		53	20	20	54	R-STAGE BACK WALL	1000 3500

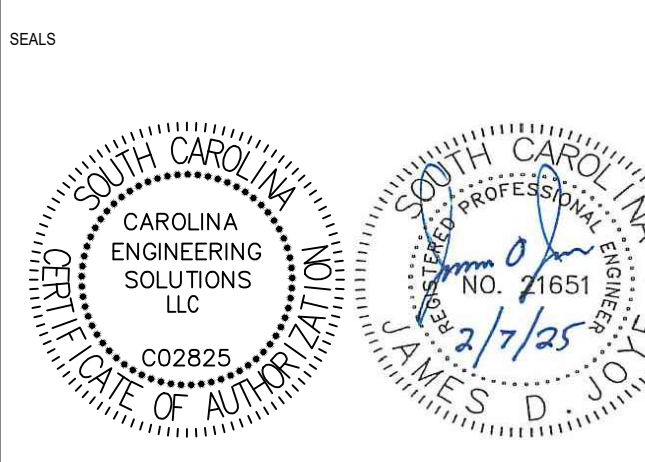
TOTAL L1 11340
TOTAL L2 14050
TOTAL L3 14400
TOTAL VA 39830
111 AMPS CONNECTED @ 208V, 3PH

SITE PLAN NOTES:

- CONTRACTOR SHALL VERIFY SITE LAYOUT WITH ARCHITECTURAL, CIVIL, AND LANDSCAPE PLANS AND MAKE MINOR ADJUSTMENTS TO ACCOMMODATE DRAINAGE, PLANTINGS, ETC.
- CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES PRIOR TO ANY UNDERGROUND DIGGING OR TRENCHING.
- INSTALL ALL CONDUIT AT DEPTHS AS SPECIFIED IN TABLE 300.5 IN THE NEC.
- CONTRACTOR SHALL COORDINATE HEAVILY WITH ALL OTHER DISCIPLINES DURING SITE EXCAVATION TO INSURE THERE ARE NO CONFLICTS WITH UTILITY CONDUIT ROUTING.
- CONTRACTOR WILL BE REQUIRED TO MEET WITH LOCAL WATER, GAS, CABLE, COMMUNICATIONS, AND ELECTRICAL COMPANIES PRIOR TO INSTALLING CONDUITS. ROUTING OF CONDUITS, SLEEVE LOCATIONS UNDER PAVEMENT, PULL BOX REQUIREMENTS, ETC. TO BE COORDINATED WITH EACH UTILITY.
- CONTRACTOR SHALL MAINTAIN FLAGGING FOR CONDUIT LOCATIONS AND HAND HOLES THROUGHOUT CONSTRUCTION.
- SCHEDULE 40 PVC SHALL BE USED (1" MIN) TRANSITIONING TO RGC UNDER PAVED OR HIGH TRAFFIC AREAS AND IN AREAS WHERE CONDUIT IS STUBBED UP INTO STRUCTURE AND/OR AT EQUIPMENT.
- ROUTE THREE (3) 3" EMPTY CONDUIT WITH PULL STRINGS FROM BACK OF HOUSE AREA TO FRONT OF HOUSE PRODUCTION AREA (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION).
- CONTRACTOR SHALL PROVIDE CONCRETE PEDESTAL BASE PER DETAIL SHOWN ON DRAWING E001.
- FURNISH AND INSTALL RECEPTACLE IN BASE OF POLE.



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CITY OF SENECA
 SENECA AMPHITHEATER
 SENECA, SC

NO.	DATE	DESCRIPTION	BY
A	8/29/2024	DESIGN DEVELOPMENT	JDJ
B	10/18/2024	FINAL REVIEW	JDJ
0	10/25/2024	ISSUE FOR PERMIT	JDJ
1	02/07/2025	ISSUE FOR BID	JDJ

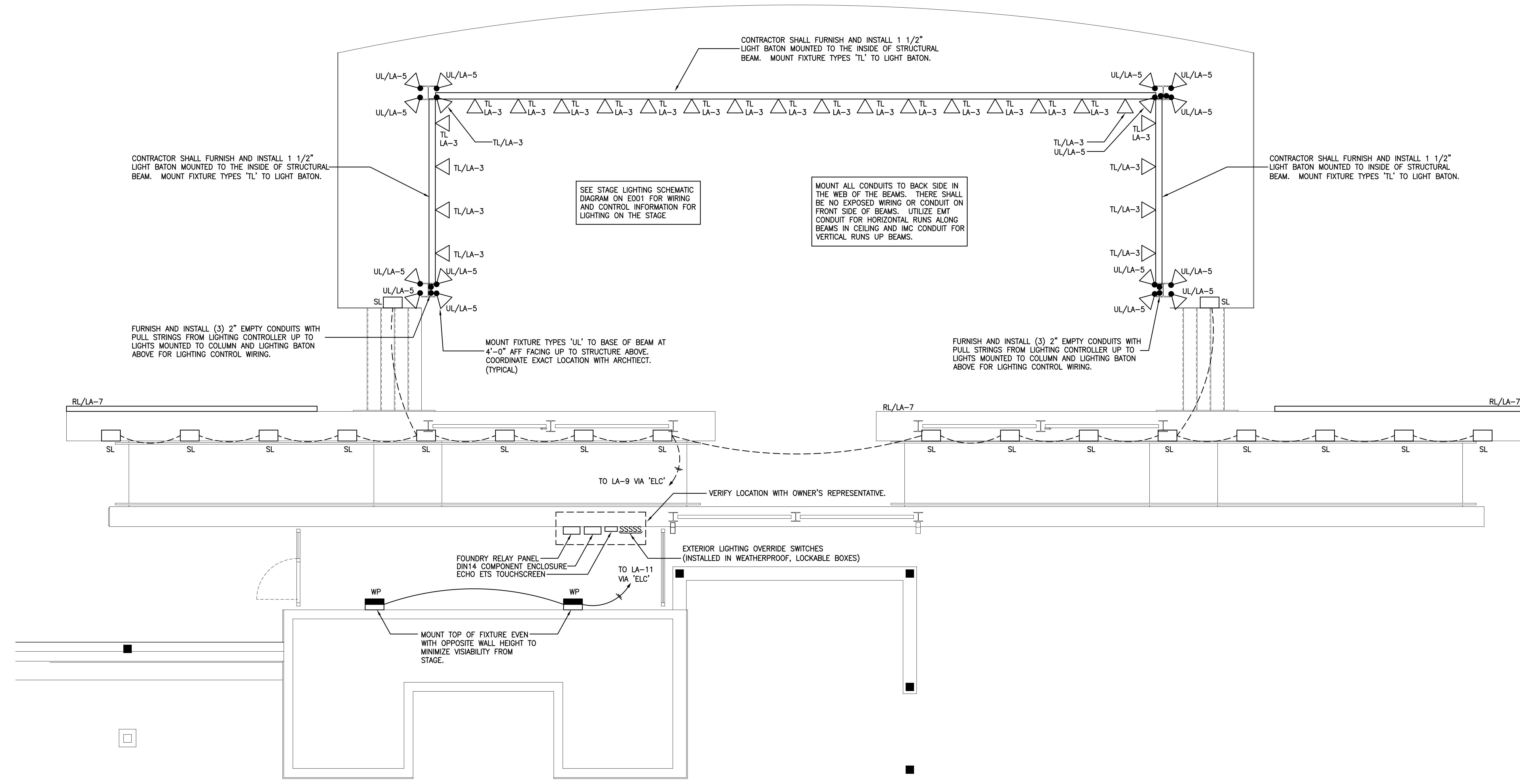
PRINCIPAL IN CHARGE: JDJ
 PROJECT ARCHITECT: JDJ
 DRAWN BY: JDJ

SHEET TITLE:
ELECTRICAL SITE PLAN

SHEET NO. 24-068 PROJ. NO. 24-068

LIGHTING NOTES:

1. FOR DRAWING CLARITY, SOME INDIVIDUAL BRANCH CIRCUIT HOMERUNS ARE INDICATED. ELECTRICAL CONTRACTOR MAY RUN UP TO (2) 20A BRANCH CIRCUITS IN A SINGLE HOMERUN TO A COMMON PANEL.
2. DETERMINE EXACT LOCATION FOR ALL LIGHT FIXTURES IN FIELD. COORDINATE WITH OTHER TRADES.



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SENECA AMPHITHEATER

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PRINCIPAL IN CHARGE: JDJ
PROJECT ARCHITECT: JDJ
DRAWN BY: JDJ

SHEET TITLE:
ENLARGED STAGE LIGHTING PLAN

SHEET NO. PROJ. NO.
24-058

E201

1 ENLARGED STAGE LIGHTING PLAN
E201 1/4" = 1'-0"

